

ATTACHMENT C

U.S. FISH AND WILDLIFE SERVICE UNIFORM COMPONENT SPECIFICATIONS

F207 Belt, 4.5 Oz. Leather, Dress

Specifications are identified for the following other component:

Sample Size: All dimensions are based on a size 36

GENERAL DESCRIPTION

TYPE ITEMS: *-Male and 'Female Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

* All Belts *
F207

SALIENT CHARACTERISTICS

Components

Type – Class

- * **Basic Material:** The material shall be top Grain leather 1-1/4" wide, 4 to 4½ oz. with tan leather liner 4 to 4.5 oz. #69 Brown Nylon Thread with tan nylon bobbin-8; Buckle #1672 30mm Gold Finish.

Detail Design Characteristics

- * **Label:** See general reference and requirement sheet.
- * **Construction:** Top Leather beveled, cemented and stitched to liner leather: stitching shall be 3/32" from edge. Finished with smooth, plain brown finish. Loop to be 3/8" wide, knife-edged and double stitched. Buckle end stitched down over buckle with second stitch line 5/8" apart to hold loop.

Sizes and Measurements

- * **Finished Dimensions:** N/A.
- * **Sizes:** Shall be available in sizes 24-54.

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F211 Belt Male, Brown 9-10 Oz., Leather, Regular Work

Specifications are identical for the following other components:

F212 Belt, Female, Brown 9-10 oz. Leather, Regular Work

F213 Belt, Male, Brown, 12-14 Oz. Leather, Heavy Duty Work

F214 Belt, Female, Brown 12-14 Oz. Leather, Heavy Duty Work

Sample Size: All dimensions are based on a size 36

GENERAL DESCRIPTION

Chambers Basketweave Embossed Design, Style No. UN605; weight: 9-10 oz. made in U.S.A.

TYPE ITEMS: *-Male and *Female Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

* All Belts *

A Regular F211/212

B Heavy Duty F213 /214

SALIENT CHARACTERISTICS

Components

Type-Class

*-A **Basic Material:** The material shall be 9-10 ounce, top grain, vegetable tanned cowhide, brown aniline dyed.

*-B **Basic Material:** The material shall be 12-14 ounce, top grain, vegetable tanned cowhide, brown aniline dyed.

*-A **Hardware:** Three matching 16 line snaps shall be attached to the reverse side of the belt to allow for changing belt buckles. Belt buckle shall be polished solid brass, harness style, with the inside dimensions of 1-5/8". The prong shall be brass plated stainless steel.

*-B **Hardware:** Two matching 16 line snaps shall be attached to the reverse side of the belt to allow for changing belt buckles. Belt buckle shall be polished solid brass, harness style, with the inside dimensions of 1-5/8". The prong shall be brass plated stainless steel.

- **Label:** See general reference and requirement sheet.

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Detail Design Characteristics

* **Construction:** The belt shall be constructed by stripping the leather to 1-1/2" width and appropriate length for each size belt. The strap shall be cased with casing solution and be applied and allowed to dry slowly. A top coat sealer (200 or equal) shall be applied and allowed to dry slowly. The strap shall be trimmed at the buckle end with a slot punch located on center approximately 2-1/2" from the end and 3 sets of holes for snaps on center. The turnback section shall be skived. For size 34" waist, 7 oval holes 5/16" long spaced 3/4 center to center shall start approximately 3" from the end shall be punched on center." For size 30" waist , 5 oval holes spaced 3/4" apart and approximately 3" from the end shall be punched on center. The proper measurement or size shall be from the folded end of the belt to center holes opposite end.

*-A, B **Edges:** Edges shall be hand-trimmed and analine dyed.

*-A, B **Width:** 1-1/2" wide.

Sizes and Measurements

Finished Dimensions

*-A, B **Sizes:** Shall be available in even sizes 26-54.

ATTACHMENT C

F212 Belt, Female, Brown 9-10 oz. Leather, Regular Work

Specifications are identical for the following other components:

F211 Belt Male, Brown 9-10 Oz., Leather, Regular Work

F213 Belt, Male, Brown, 12-14 Oz. Leather, Heavy Duty Work

F214 Belt, Female, Brown 12-14 Oz. Leather, Heavy Duty Work

Sample Size: All dimensions are based on a size 36

GENERAL DESCRIPTION

Chambers Basketweave Embossed Design, Style No. UN605; weight: 9-10 oz. made in U.S.A.

TYPE ITEMS: *-Male and *Female Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

* **All Belts** *

A Regular F211/212

B Heavy Duty F213 /214

SALIENT CHARACTERISTICS

Components

Type-Class

*-A **Basic Material:** The material shall be 9-10 ounce, top grain, vegetable tanned cowhide, brown aniline dyed.

*-B **Basic Material:** The material shall be 12-14 ounce, top grain, vegetable tanned cowhide, brown aniline dyed.

*-A **Hardware:** Three matching 16 line snaps shall be attached to the reverse side of the belt to allow for changing belt buckles. Belt buckle shall be polished solid brass, harness style, with the inside dimensions of 1-5/8". The prong shall be brass plated stainless steel.

*-B **Hardware:** Two matching 16 line snaps shall be attached to the reverse side of the belt to allow for changing belt buckles. Belt buckle shall be polished solid brass, harness style, with the inside dimensions of 1-5/8". The prong shall be brass plated stainless steel.

- **Label:** See general reference and requirement sheet.

ATTACHMENT C

Detail Design Characteristics

- * **Construction:** The belt shall be constructed by stripping the leather to 1-1/2" width and appropriate length for each size belt. The strap shall be cased with casing solution and be applied and allowed to dry slowly. A top coat sealer (200 or equal) shall be applied and allowed to dry slowly. The strap shall be trimmed at the buckle end with a slot punch located on center approximately 2-1/2" from the end and 3 sets of holes for snaps on center. The turnback section shall be skived. For size 34" waist, 7 oval holes 5/16" long spaced 3/4 center to center shall start approximately 3" from the end shall be punched on center." For size 30" waist , 5 oval holes spaced 3/4" apart and approximately 3" from the end shall be punched on center. The proper measurement or size shall be from the folded end of the belt to center holes opposite end.

*-A, B **Edges:** Edges shall be hand-trimmed and analine dyed.

*-A, B **Width:** 1-1/2" wide.

Sizes and Measurements

Finished Dimensions

*-A, B **Sizes:** Shall be available in even sizes 26-54.

ATTACHMENT C

F213 Belt, Male, Brown, 12-14 Oz. Leather, Heavy Duty Work

Specifications are identical for the following other components:

F211 Belt Male, Brown 9-10 Oz., Leather, Regular Work

F212 Belt, Female, Brown 9-10 oz. Leather, Regular Work

F214 Belt, Female, Brown 12-14 Oz. Leather, Heavy Duty Work

Sample Size: All dimensions are based on a size 36

GENERAL DESCRIPTION

Chambers Basketweave Embossed Design, Style No. UN605; weight: 9-10 oz. made in U.S.A.

TYPE ITEMS: *-Male and *Female Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

* **All Belts** *

A Regular F211/212

B Heavy Duty F213 /214

SALIENT CHARACTERISTICS

Components

Type-Class

*-A **Basic Material:** The material shall be 9-10 ounce, top grain, vegetable tanned cowhide, brown aniline dyed.

*-B **Basic Material:** The material shall be 12-14 ounce, top grain, vegetable tanned cowhide, brown aniline dyed.

*-A **Hardware:** Three matching 16 line snaps shall be attached to the reverse side of the belt to allow for changing belt buckles. Belt buckle shall be polished solid brass, harness style, with the inside dimensions of 1-5/8". The prong shall be brass plated stainless steel.

*-B **Hardware:** Two matching 16 line snaps shall be attached to the reverse side of the belt to allow for changing belt buckles. Belt buckle shall be polished solid brass, harness style, with the inside dimensions of 1-5/8". The prong shall be brass plated stainless steel.

- **Label:** See general reference and requirement sheet.

ATTACHMENT C

Detail Design Characteristics

- * **Construction:** The belt shall be constructed by stripping the leather to 1-1/2" width and appropriate length for each size belt. The strap shall be cased with casing solution and be applied and allowed to dry slowly. A top coat sealer (200 or equal) shall be applied and allowed to dry slowly. The strap shall be trimmed at the buckle end with a slot punch located on center approximately 2-1/2" from the end and 3 sets of holes for snaps on center. The turnback section shall be skived. For size 34" waist, 7 oval holes 5/16" long spaced 3/4 center to center shall start approximately 3" from the end shall be punched on center." For size 30" waist , 5 oval holes spaced 3/4" apart and approximately 3" from the end shall be punched on center. The proper measurement or size shall be from the folded end of the belt to center holes opposite end.

*-A, B **Edges:** Edges shall be hand-trimmed and analine dyed.

*-A, B **Width:** 1-1/2" wide.

Sizes and Measurements

Finished Dimensions

*-A, B **Sizes:** Shall be available in even sizes 26-54.

ATTACHMENT C

F214 Belt, Female, Brown 12-14 Oz. Leather, Heavy Duty Work

Specifications are identical for the following other components:

F211 Belt Male, Brown 9-10 Oz., Leather, Regular Work

F212 Belt, Female, Brown 9-10 oz. Leather, Regular Work

F213 Belt, Male, Brown, 12-14 Oz. Leather, Heavy Duty Work

Sample Size: All dimensions are based on a size 36

GENERAL DESCRIPTION

Chambers Basketweave Embossed Design, Style No. UN605; weight: 9-10 oz. made in U.S.A.

TYPE ITEMS: *-Male and *Female Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

*	All Belts	*
A	Regular	F211/212
B	Heavy Duty	F213 /214

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be 9-10 ounce, top grain, vegetable tanned cowhide, brown aniline dyed.
- *-B **Basic Material:** The material shall be 12-14 ounce, top grain, vegetable tanned cowhide, brown aniline dyed.
- *-A **Hardware:** Three matching 16 line snaps shall be attached to the reverse side of the belt to allow for changing belt buckles. Belt buckle shall be polished solid brass, harness style, with the inside dimensions of 1-5/8". The prong shall be brass plated stainless steel.
- *-B **Hardware:** Two matching 16 line snaps shall be attached to the reverse side of the belt to allow for changing belt buckles. Belt buckle shall be polished solid brass, harness style, with the inside dimensions of 1-5/8". The prong shall be brass plated stainless steel.
- *-* **Label:** See general reference and requirement sheet.

ATTACHMENT C

Detail Design Characteristics

- * **Construction:** The belt shall be constructed by stripping the leather to 1-1/2" width and appropriate length for each size belt. The strap shall be cased with casing solution and be applied and allowed to dry slowly. A top coat sealer (200 or equal) shall be applied and allowed to dry slowly. The strap shall be trimmed at the buckle end with a slot punch located on center approximately 2-1/2" from the end and 3 sets of holes for snaps on center. The turnback section shall be skived. For size 34" waist, 7 oval holes 5/16" long spaced 3/4 center to center shall start approximately 3" from the end shall be punched on center." For size 30" waist , 5 oval holes spaced 3/4" apart and approximately 3" from the end shall be punched on center. The proper measurement or size shall be from the folded end of the belt to center holes opposite end.

*-A, B **Edges:** Edges shall be hand-trimmed and analine dyed.

*-A, B **Width:** 1-1/2" wide.

Sizes and Measurements

Finished Dimensions

*-A, B **Sizes:** Shall be available in even sizes 26-54.

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F219 Boots, Male, 8" Work

Specifications are identical for the following other components:

F220 Boots, Male, 8" Work with Steel Toe
N231 Boots, Male, 8" Work
F233 Boots, Female, 8" Work
N243 Boots, Female, 8" Work
F234 Boots, Female, 8" Work with Steel Toe

Sample Size: 9 ½ W (F219, N231) or 7 M (F220) or 8 M (F233, N243) or 9 W (F234)

GENERAL DESCRIPTION

Texas Boot style 8694 (F219, N231) or 8695 (F220) or 4694 (F233, N243) or 4695 (F234) or equivalent.

TYPE ITEMS	*--All Boots	I—Male	II—Female
CLASSIFICATION		FWS # (M/F)	NPS # (M/F)
* - All Boots		*	*
A – Regular		F219/ F233	N231/ N243
B – Steel Toe		F220/ F234	

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** The leather shall be full grain naturally oiled leather – Dark Brown or Midnight Brown. Collar is padded foam wrapped leather smooth cowhide.
- * **Welt:** The welt shall be Goodyear construction.
- * **Lining and Insole:** Cambrelle cushioned lining to wick moisture and Poron insole wrapped in Cambrelle to absorb shock from impact while wicking moisture.
- * **Outsole:** The outsole shall be Vibram Hiking Hi Tech, 134AR sole.
- *-B **Steel Toe:** (F220, F234): The steel toe shall be ANSI 75 rated.

Sizes and Measurements

Finished Dimensions

- I-*** **Sizes:** Medium: 7-12 in half sizes, 13, 14
Wide: 7½-12, in half sizes, 13
- II-*** **Sizes:** Medium: 5-10 in half sizes, 11, 12
Wide: 6-10 in half sizes, 11

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F220 Boots, Male, 8" Work With Steel Toe

Specifications are identical for the following other components:

F219	Boots, Male, 8" Work
N231	Boots, Male, 8" Work
F233	Boots, Female, 8" Work
N243	Boots, Female, 8" Work
F234	Boots, Female, 8" Work with Steel Toe

Sample Size: 9 ½ W (F219, N231) or 7 M (F220) or 8 M (F233, N243) or 9 W (F234)

GENERAL DESCRIPTION

Texas Boot style 8694 (F219, N231) or 8695 (F220) or 4694 (F233, N243) or 4695 (F234) or equivalent.

TYPE ITEMS	*--All Boots	I—Male	II—Female
CLASSIFICATION		FWS # (M/F)	NPS # (M/F)
* - All Boots		*	*
A – Regular		F219/ F233	N231/ N243
B – Steel Toe		F220/ F234	

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** The leather shall be full grain naturally oiled leather – Dark Brown or Midnight Brown. Collar is padded foam wrapped leather smooth cowhide.
- * **Welt:** The welt shall be Goodyear construction.
- * **Lining and Insole:** Cambrelle cushioned lining to wick moisture and Poron insole wrapped in Cambrelle to absorb shock from impact while wicking moisture.
- * **Outsole:** The outsole shall be Vibram Hiking Hi Tech, 134AR sole.
- *-B **Steel Toe:** (F220, F234): The steel toe shall be ANSI 75 rated.

Sizes and Measurements

Finished Dimensions

- | | |
|-------------|--|
| I-* | Sizes: Medium: 7-12 in half sizes, 13, 14
Wide: 7½-12, in half sizes, 13 |
| II-* | Sizes: Medium: 5-10 in half sizes, 11, 12
Wide: 6-10 in half sizes, 11 |

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F221 Boots, Male, 5" Backcountry Hiking

Specifications are identical for the following other components:

N225 Boots, Male, 5" Backcountry Hiking

F235 Boots, Female, 5" Backcountry Hiking

N238 Boots, Female, 5" Backcountry Hiking

Sample Size: 9 ½ M (F221, N225) or 7 ½ M (F235, N238)

GENERAL DESCRIPTION

Vasque Sundowner model 7935 (F221, N225) or 7936 (F235, N238), five-inch boot, with burgundy full-grain leather, waterproof lugged sole and Gore-Tex bootie liner or equal.

TYPE ITEMS *--All Boots I—Male. II—Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
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* All Boots	F221/F235	N225/N238
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SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** The upper shall be burgundy 2.4 mm waterproof Crochetta leather.
- * **Lining:** The lining shall be Sportee 3-bar-knit, 1/16 inch, open-cell foam padding.Gore-Tex waterproof filament, nylon mesh backing.
- * **Foundation Insole:** The foundation insole shall be Unidirectional, molded polyethylene, graded by size.
- * **Foot Support Insole:** The foot support insole shall be removable contoured crossweave felt covered polyethylene molded footbed with cushioned heel cup and arch support.
- * **Shank:** The shank shall be ¾-inch double-ribbed tempered steel.
- * **Thread:** The thread shall be non-wicking nylon at 24 pound tensile strength.
- * **Counter:** The counter shall be firm waterproof Celastic molded to the boot while on the last.
- * **Box Toe:** The counter shall be firm waterproof Celastic molded to the boot while on the last.
- * **Lace:** The lace shall be 50-inch (F221, N225) or 46-inch (F235, N238) dark brown nylon with sealed ends.
- * **Collar:** The collar shall be rolled leather inside supported by boot upper.
- * **Hardware:** The hardware shall be nickel plated steel star clinch on washer behind lining. D-ring with pull test of 135 pounds. Hook with pull test of 200 pounds.

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- * **Sole and Heel:** The sole and heel black, non-marking Skywalk lug sole with toe bumper. Derometer 75A hardness. 4/16 inch lug with Fishhook lug at toe and heel.
- * **Midsole:** The midsole shall be shock absorbing Resilion rubber molded with hard rubber outsole for a single unit.
- * **Construction:** The construction shall be Polymeric bond cement construction, net-fit with drop-in bottom. Pull test 145 pounds, heat tested to 170 degrees for separation.

Sizes and Measurements

Finished Dimensions

- | | |
|-------------|--|
| I-* | Sizes: Narrow: 9-12, 13, 14
Medium: 6-12, 13, 14
Wide: 7-12, 13, 14 |
| II-* | Sizes: Narrow: 7-10 ½
Medium: 5-11
Wide: 7-10 ½ |

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F223 Boots, Male, Logger, Work

Specifications are identical for the following other components:

F614 Boots, Female, Logger, Work

Sample Size: 7 M

GENERAL DESCRIPTION

The boot shall be Georgia Boot Loggers, style G8105 or equal.

TYPE ITEMS *--All Boots I—Male Type II—Female Type

CLASSIFICATION

* All Boots

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper Material:** The upper material shall be 5 – 5 ½ ounce oil tanned leather.
- * **Lining:** There shall be no lining.
- * **Color:** The color shall be Black Raspberry Harness Leather.
- * **Foundation Insole:** The foundation insole shall be 3.5 IR Bontex board.
- * **Foot Support Insole:** The foot support insole shall be 1/8” cushioned.
- * **Sole and Heel:** The sole and heel shall be 2.2 IR Vibram lug and 5/8 plastic base with 7/8 Vibram lug topline.
- * **Shank:** The shank shall be 21 gauge steel.
- * **Thread:** The thread shall be nylon.
- * **Counter:** The counter shall be 45 gauge thermo.
- * **Box Toe:** The box toe shall be 200 MR 50.
- * **Lace:** The lace shall be Taslan.
- * **Topline Puff Collar:** The topline puff collar shall be upper leather over ¼” latex.
- * **Eyelets and Hardware:** The eyelets and hardware shall be brass plated.
- * **Midsole:** The midsole shall be 4 IR Robus board and 4 IR black rubber.

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* **Inside Collar:** The inside collar shall be 1” turned under fabric with puff.

* **Construction:** The construction shall be welt.

Sizes and Measurements

Finished Dimensions:

I-* **Sizes:** Medium: 7-12 in half sizes, 13
Wide: 7½-12, in half sizes, 13

II-* **Sizes:** Medium: 5 ½-10 in half sizes
Wide: 6-10 in half sizes

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F224 Boots, Male, Brown 6" Gore-Tex Hiker

Specifications are identical for the following other components:

F236 Boots, Female, Brown 6" Gore-Tex Hiker

Sample Size: 8 M

GENERAL DESCRIPTION

Wm. Brooks #30500 (F224) or #40500 (F236); 6" all leather, Gore-tex hiking boot.

TYPE ITEMS *--All Boots I—Male Type II—Female Type

CLASSIFICATION

* All Boots

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The boot shall have full Goretex bootie construction, with full cambrelle inner liner-nicotine, guaranteed waterproof. Upper 6" all leather - S.B. Foot #2290 Midnight Brown Norseman (HH Weight 5 - 5 1/2 oz.) 6 brown AA eyelets – aluminum, Black Taslan laces.
- * **Insole:** The insole shall be 4 iron Texon #480 waterproof with full "Rocky" support system; removable, washable, arch support, metatarsal support and heel cup.
- * **Outsole:** The outsole shall be Vibram black voyager low profile lug.
- * **Thread:** The thread shall be polyester/nylon - double stitched, bartacked at all stress points .
- * **Counter:** The counter shall be #40 thermoplastic.
- * **Box Toe:** The box toe shall be styrene.
- * **Wedge and Midsole:** The wedge and midsole black EVA.
- * **Last:** The last shall be hiker, American.

Sizes and Measurements

Finished Dimensions

I-* **Sizes:** Narrow 7 ½-12 by half sizes, 13
Medium 7-12 by half sizes, 13, 14
Wide 7-12 by half sizes, 13

II-* **Sizes:** Narrow 6-10 by half sizes

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F233 Boots, Female, 8" Work

Specifications are identical for the following other components:

F219 Boots, Male, 8" Work
F220 Boots, Male, 8" Work W Steel Toe
N231 Boots, Male, 8" Work
N243 Boots, Female, 8" Work
F234 Boots, Female, 8" Work W Steel Toe

Sample Size: 9 ½ W (F219, N231) or 7 M (F220) or 8 M (F233, N243) or 9 W (F234)

GENERAL DESCRIPTION

Texas Boot style 8694 (F219, N231) or 8695 (F220) or 4694 (F233, N243) or 4695 (F234) or equivalent.

TYPE ITEMS	*--All Boots	I—Male	II—Female
CLASSIFICATION		FWS # (M/F)	NPS # (M/F)
* - All Boots		*	*
A – Regular		F219/ F233	N231/ N243
B – Steel Toe		F220/ F234	

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** The leather shall be full grain naturally oiled leather – Dark Brown or Midnight Brown. Collar is padded foam wrapped leather smooth cowhide.
- * **Welt:** The welt shall be Goodyear construction.
- * **Lining and Insole:** Cambrelle cushioned lining to wick moisture and Poron insole wrapped in Cambrelle to absorb shock from impact while wicking moisture.
- * **Outsole:** The outsole shall be Vibram Hiking Hi Tech, 134AR sole.
- *-B **Steel Toe:** (F220, F234): The steel toe shall be ANSI 75 rated.

Sizes and Measurements

Finished Dimensions

- I-*** **Sizes:** Medium: 7-12 in half sizes, 13, 14
Wide: 7½-12, in half sizes, 13
- II-*** **Sizes:** Medium: 5-10 in half sizes, 11, 12
Wide: 6-10 in half sizes, 11

ATTACHMENT C

F234 Boots, Female, 8" Work W Steel Toe

Specifications are identical for the following other components:

F219 Boots, Male, 8" Work
F220 Boots, Male, 8" Work W Steel Toe
N231 Boots, Male, 8" Work
F233 Boots, Female, 8" Work
N243 Boots, Female, 8" Work

Sample Size: 9 ½ W (F219, N231) or 7 M (F220) or 8 M (F233, N243) or 9 W (F234)

GENERAL DESCRIPTION

Texas Boot style 8694 (F219, N231) or 8695 (F220) or 4694 (F233, N243) or 4695 (F234) or equivalent.

TYPE ITEMS	*--All Boots	I—Male	II—Female
CLASSIFICATION		FWS # (M/F)	NPS # (M/F)
* - All Boots		*	*
A – Regular		F219/ F233	N231/ N243
B – Steel Toe		F220/ F234	

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** The leather shall be full grain naturally oiled leather – Dark Brown or Midnight Brown. Collar is padded foam wrapped leather smooth cowhide.
- * **Welt:** The welt shall be Goodyear construction.
- * **Lining and Insole:** Cambrelle cushioned lining to wick moisture and Poron insole wrapped in Cambrelle to absorb shock from impact while wicking moisture.
- * **Outsole:** The outsole shall be Vibram Hiking Hi Tech, 134AR sole.
- *-B **Steel Toe** (F220, F234): The steel toe shall be ANSI 75 rated.

Sizes and Measurements

Finished Dimensions

- I-*** **Sizes:** Medium: 7-12 in half sizes, 13, 14
Wide: 7½-12, in half sizes, 13
- II-*** **Sizes:** Medium: 5-10 in half sizes, 11, 12
Wide: 6-10 in half sizes, 11

ATTACHMENT C

F235 Boots, Female, 5" Backcountry Hiking

Specifications are identical for the following other components:

F221 Boots, Male, 5" Backcountry Hiking

N225 Boots, Male, 5" Backcountry Hiking

N238 Boots, Female, 5" Backcountry Hiking

Sample Size: 9 ½ M (F221, N225) or 7 ½ M (F235, N238)

GENERAL DESCRIPTION

Vasque Sundowner model 7935 (F221, N225) or 7936 (F235, N238), five-inch boot, with burgundy full-grain leather, waterproof lugged sole and Gore-Tex bootie liner or equal.

TYPE ITEMS *--All Boots I—Male. II—Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
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* All Boots	F221/F235	N225/N238
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SALIENT CHARACTERISTICS

Components

Type-Class

- * **Upper:** The upper shall be burgundy 2.4 mm waterproof Crochetta leather.
- * **Lining:** The lining shall be Sportee 3-bar-knit, 1/16 inch, open-cell foam padding.Gore-Tex waterproof filament, nylon mesh backing.
- * **Foundation Insole:** The foundation insole shall be Unidirectional, molded polyethylene, graded by size.
- * **Foot Support Insole:** The foot support insole shall be removable contoured crossweave felt covered polyethylene molded footbed with cushioned heel cup and arch support.
- * **Shank:** The shank shall be ¾-inch double-ribbed tempered steel.
- * **Thread:** The thread shall be non-wicking nylon at 24 pound tensile strength.
- * **Counter:** The counter shall be firm waterproof Celastic molded to the boot while on the last.
- * **Box Toe:** The counter shall be firm waterproof Celastic molded to the boot while on the last.
- * **Lace:** The lace shall be 50-inch (F221, N225) or 46-inch (F235, N238) dark brown nylon with sealed ends.
- * **Collar:** The collar shall be rolled leather inside supported by boot upper.
- * **Hardware:** The hardware shall be nickel plated steel star clinch on washer behind lining. D-ring with pull test of 135 pounds. Hook with pull test of 200 pounds.
- * **Sole and Heel:** The sole and heel black, non-marking Skywalk lug sole with toe bumper. Derometer 75A hardness. 4/16 inch lug with Fishhook lug at toe and heel.

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- * **Midsole:** The midsole shall be shock absorbing Resilion rubber molded with hard rubber outsole for a single unit.
- * **Construction:** The construction shall be Polymeric bond cement construction, net-fit with drop-in bottom. Pull test 145 pounds, heat tested to 170 degrees for separation.

Sizes and Measurements

Finished Dimensions

- I-*** **Sizes:** Narrow: 9-12, 13, 14
Medium: 6-12, 13, 14
Wide: 7-12, 13, 14
- II-*** **Sizes:** Narrow: 7-10 ½
Medium: 5-11
Wide: 7-10 ½

ATTACHMENT C

F236 Boots, Female, Brown 6" Gore-Tex Hiker

Specifications are identical for the following other component:

F224 Boots, Male, Brown 6" Gore-Tex Hiker

Sample Size: 8 M

GENERAL DESCRIPTION

Wm. Brooks #30500 (F224) or #40500 (F236); 6" all leather, Gore-tex hiking boot.

TYPE ITEMS *--All Boots I—Male Type II—Female Type

CLASSIFICATION

* All Boots

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The boot shall have full Goretex bootie construction, with full cambrelle inner liner-nicotine, guaranteed waterproof. Upper 6" all leather - S.B. Foot #2290 Midnight Brown Norseman (HH Weight 5 - 5 1/2 oz.) 6 brown AA eyelets – aluminum, Black Taslan laces.
- * **Insole:** The insole shall be 4 iron Texon #480 waterproof with full "Rocky" support system; removable, washable, arch support, metatarsal support and heel cup.
- * **Outsole:** The outsole shall be Vibram black voyager low profile lug.
- * **Thread:** The thread shall be polyester/nylon - double stitched, bartacked at all stress points .
- * **Counter:** The counter shall be #40 thermoplastic.
- * **Box Toe:** The box toe shall be styrene.
- * **Wedge and Midsole:** The wedge and midsole black EVA.
- * **Last:** The last shall be hiker, American.

Sizes and Measurements

Finished Dimensions

- I-* **Sizes:** Narrow 7 ½-12 by half sizes, 13
Medium 7-12 by half sizes, 13, 14
Wide 7-12 by half sizes, 13
- II-* **Sizes:** Narrow 6-10 by half sizes

ATTACHMENT C

F244 Shoes, Female, Buck

GENERAL DESCRIPTION

The shoe shall be Bass style 2517 or equivalent in a Dark Brown Chamois color.

CLASSIFICATION

* All Shoes

SALIENT CHARACTERISTICS

Components

Type – Class

- * **Basic Material:** The basic materials of the shoe shall consist of oiled buck uppers and a leather lining. The tongue and sock lining shall be pig smooth leather. The sock cushion shall be high-density latex.
- * **Laces:** The laces shall be round cotton laces.
- * **Eyelets:** The shoe shall have four blind eyelets on each side.
- * **Outsole:** The outsole shall be WOS “Bucko” TPR.
- * **Shank:** The shoe shall have a steel shank.
- * **Sole:** The sole compound shall be 600 TPR.

Sizes and Measurements

Finished Dimensions

- * **Sizes:** Narrow: 6-10 in half sizes
Medium: 5-10 in half sizes, 11
Wide: 6-10 in half sizes

ATTACHMENT C

F252 Cap, Ball, Blue Mesh, Volunteer

Specifications are identical for the following other components:

C602 Cap, Ball, Green Mesh, Summer
N604 Cap, Ball, Green Mesh, Summer
F606 Cap, Ball, Brown Mesh, Summer
C603 Cap, Ball, Green Twill, Winter
N605 Cap, Ball, Green Twill, Winter
F607 Cap, Ball, Brown Twill, Winter
F256 Cap, Ball, Blue Twill, Volunteer

Sample Size: Regular

GENERAL DESCRIPTION

Enclosed baseball style cap with six piece crown contour shape and direct embroidery.

TYPE ITEMS: *--All Caps

CLASSIFICATION		COE Spec #	NPS Spec #
*	All Caps	*	*
A	Mesh, Green	C602	N604
B	Twill, Green	C603	N605
		FWS Spec #	
*	All Caps	*	
C	Mesh, Brown	F606	
D	Twill, Brown	F607	
E	Mesh, Blue	F252	
F	Twill, Blue	F256	

SALIENT CHARACTERISTICS

Components

- A **Basic Material:** The two front crown sections and upper visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- C **Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.

ATTACHMENT C

- E **Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- B **Basic Material:** The six crown sections and visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- D **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- F **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- * **Front Panel:** The front panel shall be constructed of two pieces backed with a fusible monofilament fabric. The panels jointly shall be 8" wide and 6 7/8" high at the center.
- * **Visor:** The visor and visor lining shall be the same Chetopa IV fabric interlined with a visor stiffener and sewn with parallel rows of lock stitching that follow the contour of the visor. The visor shall finish smooth without twists or puckers.
- * **Sweatband:** The black twill sweatband shall finish a minimum of 1" wide. The sweatband shall not pucker, curve, arc, buckle or twist.
- * **Crown:** The crown pieces shall be sewn together, the seam allowance pressed flat, then sewn down the 5/8" tape with stitch type 301 or 401. The crown shall have a sewn in stabilizing strip with a horizontal stitch 3/16" above the visor. A topstitch shall be sewn at the base of the crown on the front two panels.
- * **Closing Seams:** The visor and sweatband shall be sewn to the crown with type 301 stitch and the sweatband shall finish smooth and be flat against inside of cap. A button covered with basic material, size 22 ligne, shall be set into the crown at the junction of the six crown pieces. Each of the six panels shall have one sewn eyelet hole.
- * **Rear Outlet:** The rear outlet cut shall be folded under and taped down.
- A,C,E **Backstrap:** The backstrap shall be either matching green, brown, blue (or black) plastic and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Backstrap:** The backstrap shall be leather with brass buckle and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Direct Embroidery:** The Organizations' logo shall be direct embroidered onto the front panel in the center. The wording and embroidery on the front panel shall be machine embroidered on embroidery machines with automats, and shall not be produced on multhead equipment.

ATTACHMENT C

Thread color names and numbers are the applicable standard sample for shade and are contained in the DOD Standard Color Card of Official Standardized Shades for Heraldic Yarns for Embroidery and Ribbons. The Color Card is obtainable from the Color Card Association of the United States, Inc., 343 Lexington Avenue, New York, New York 10016.

Thread shall be rayon yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

- F **Embroidery Details:** The U.S. FISH & WILDLIFE SERVICE VOLUNTEER logo shall be direct embroidered onto the center front of the cap.

Thread colors and deniers, along with the necessary number of color changes are identified as follows, and shall closely match the following Heraldic yarn color shades:

Description	Cable Name	Cable No.	Poly
Visor Gold FD 008	Goldenlight HC	67107	90/2
Yellow FD B79	N/A	N/A	90/2
Process Blue FD 48	N/A	N/A	90/2
Amberlite FD B65	BuffHAK	67135	90/2
Light Buff FD 125	M.L. Antique White HAL	67139	90/2
Tan FD 118	N/A	N/A	90/2
Imperial Blue FD B4	Corsaire Blue HCB	67177	90/2

Thread shall be polyester yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

Double thread or any thread of different deniers or plys shall not be permitted in any part of the embroidery. Single thread stitching in the deniers and plys above shall be used throughout.

- * * **Thread:** The thread shall be polyester, size 40 or cotton-covered polyester, size 50 color dyed to match basic material except the direct embroidery threads which shall conform to the sample specifications.
- * **Stitches Per Inch:** The stitches per inch shall be 7-9 for all cap operations except 5 stitches per inch on the visor.
- * **Sizes :** Regular and Extra Large

ATTACHMENT C

F256 Cap, Ball, Blue Twill, Volunteer

Specifications are identical for the following other components:

C602 Cap, Ball, Green Mesh, Summer
N604 Cap, Ball, Green Mesh, Summer
F606 Cap, Ball, Brown Mesh, Summer
F252 Cap, Ball, Blue Mesh, Volunteer
C603 Cap, Ball, Green Twill, Winter
N605 Cap, Ball, Green Twill, Winter
F607 Cap, Ball, Brown Twill, Winter

Sample Size: Regular

GENERAL DESCRIPTION

Enclosed baseball style cap with six piece crown contour shape and direct embroidery.

TYPE ITEMS: *--All Caps

CLASSIFICATION		COE Spec #	NPS Spec #
*	All Caps	*	*
A	Mesh, Green	C602	N604
B	Twill, Green	C603	N605
		FWS Spec #	
*	All Caps	*	
C	Mesh, Brown	F606	
D	Twill, Brown	F607	
E	Mesh, Blue	F252	
F	Twill, Blue	F256	

SALIENT CHARACTERISTICS

Components

- A **Basic Material:** The two front crown sections and upper visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- C **Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- E **Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.

ATTACHMENT C

- B **Basic Material:** The six crown sections and visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- D **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- F **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- * **Front Panel:** The front panel shall be constructed of two pieces backed with a fusible monofilament fabric. The panels jointly shall be 8" wide and 6 7/8" high at the center.
- * **Visor:** The visor and visor lining shall be the same Chetopa IV fabric interlined with a visor stiffener and sewn with parallel rows of lock stitching that follow the contour of the visor. The visor shall finish smooth without twists or puckers.
- * **Sweatband:** The black twill sweatband shall finish a minimum of 1" wide. The sweatband shall not pucker, curve, arc, buckle or twist.
- * **Crown:** The crown pieces shall be sewn together, the seam allowance pressed flat, then sewn down the 5/8" tape with stitch type 301 or 401. The crown shall have a sewn in stabilizing strip with a horizontal stitch 3/16" above the visor. A topstitch shall be sewn at the base of the crown on the front two panels.
- * **Closing Seams:** The visor and sweatband shall be sewn to the crown with type 301 stitch and the sweatband shall finish smooth and be flat against inside of cap. A button covered with basic material, size 22 ligne, shall be set into the crown at the junction of the six crown pieces. Each of the six panels shall have one sewn eyelet hole.
- * **Rear Outlet:** The rear outlet cut shall be folded under and taped down.
- A,C,E **Backstrap:** The backstrap shall be either matching green, brown, blue (or black) plastic and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Backstrap:** The backstrap shall be leather with brass buckle and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Direct Embroidery:** The Organizations' logo shall be direct embroidered onto the front panel in the center. The wording and embroidery on the front panel shall be machine embroidered on embroidery machines with automats, and shall not be produced on multhead equipment.

Thread color names and numbers are the applicable standard sample for shade and are contained in the DOD Standard Color Card of Official Standardized Shades for Heraldic Yarns for Embroidery and Ribbons. The Color Card is obtainable from the Color Card Association of the United States, Inc., 343 Lexington Avenue, New York, New York 10016.

ATTACHMENT C

Thread shall be rayon yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

- F **Embroidery Details:** The U.S. FISH & WILDLIFE SERVICE VOLUNTEER logo shall be direct embroidered onto the center front of the cap.

Thread colors and deniers, along with the necessary number of color changes are identified as follows, and shall closely match the following Heraldic yarn color shades:

Description	Cable Name	Cable No.	Poly
Visor Gold FD 008	Goldenlight HC	67107	90/2
Yellow FD B79	N/A	N/A	90/2
Process Blue FD 48	N/A	N/A	90/2
Amberlite FD B65	BuffHAK	67135	90/2
Light Buff FD 125	M.L. Antique White HAL	67139	90/2
Tan FD 118	N/A	N/A	90/2
Imperial Blue FD B4	Corsaire Blue HCB	67177	90/2

Thread shall be polyester yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

Double thread or any thread of different deniers or plys shall not be permitted in any part of the embroidery. Single thread stitching in the deniers and plys above shall be used throughout.

- * **Thread:** The thread shall be polyester, size 40 or cotton-covered polyester, size 50 color dyed to match basic material except the direct embroidery threads which shall conform to the sample specifications.
- * **Stitches Per Inch:** The stitches per inch shall be 7-9 for all cap operations except 5 stitches per inch on the visor.
- * **Sizes :** Regular and Extra Large

ATTACHMENT C

F257 Cap, Ball, YCC Youth Leader

Specifications are identical for the following other component:

F269 Cap, Ball, YCC

Sample Size: Regular

GENERAL DESCRIPTION

Enclosed open mesh baseball style cap with five piece crown contour shape and direct embroidery.

CLASSIFICATION FWS Spec

*	All Caps	*
**A	YCC Youth Leader	F257
B	YCC	F269

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The front crown section and upper and under visor sections shall be made from Kelly Green poly/cotton material. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- * **Front Panel:** The front panel shall be constructed of one piece. The panel shall be 7 ¼" wide and 7" high at the center, and shall accommodate the embroidery.
- * **Visor:** The visor and visor lining shall be twill fabric interlined with a visor stiffener and sewn with six parallel rows of gauge stitching that follow the contour of the visor. The visor shall finish smooth without twists or puckers.
- * **Sweatband:** The sweatband shall finish a minimum of 1 ¼" wide and be constructed of cotton twill, interlined with .078" polyurethane foam. The sweatband shall not pucker, curve, arc, buckle or twist.
- * **Crown:** The crown pieces shall be sewn together, the seam allowance pressed flat, then sewn down the 5/8" tape with stitch type 301 or 401.
- * **Closing Seams:** The visor and sweatband shall be sewn to the crown with type 301 stitch and the sweatband shall finish smooth and be flat against inside of cap. A button covered with basic material, size 22 ligne, shall be set into the crown at the junction of the five crown pieces.
- * **Rear Outlet:** The rear outlet cut shall be folded under and taped down.
- * **Backstrap:** The size adjuster shall be plastic tape to match twill material with seven holes and pins that snap together to provide a secure closure.
- * **Direct Embroidery:** The United States Youth Conservation Corps logo shall be direct embroidered onto the front panel in the center. The wording and embroidery on the front panel shall be machine embroidered on embroidery machines with automats, and shall not be produced on multhead equipment.

ATTACHMENT C

- **A "YOUTH LEADER" shall be direct embroidered in white along either side of logo slightly below center vertically in block letters proportional to emblem and cap.**

Thread color names and numbers are the applicable standard sample for shade and are contained in the DOD Standard Color Card of Official Standardized Shades for Heraldic Yarns for Embroidery and Ribbons. The Color Card is obtainable from the Color Card Association of the United States, Inc., 343 Lexington Avenue, New York, NY 10016.

Thread colors and deniers, along with the necessary number of color changes are identified as follows, and shall closely match the following Heraldic yarn color shades:

<u>Description</u>	<u>Cable Name</u>	<u>Cable No.</u>	<u>Poly</u>
White FD 008	White HA	67101	90/2
Dark Cadet FD 103	Cannes Blue HBV	67171	90/2
Hollywood Green-FDB-34	Emerald IIAC	67128	90/2

Thread shall be polyester yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the "bleeding" (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

Double thread or any thread of different deniers or plys shall not be permitted in any part of the embroidery. Single thread stitching in the deniers and plys above shall be used throughout.

- * Thread:** The thread shall be polyester, size 40 or cotton-covered polyester, size 50 color dyed to match basic material except the direct embroidery threads which shall conform to the specifications above.
- * Stitches Per Inch:** The stitches per inch shall be 7-9 for all cap operations except 5 stitches per inch on the visor.
- * Sizes:** There shall be one size: Regular

ATTACHMENT C

F258 Cap, Brown Gore-Tex Nylon, Winter with Flaps

Specifications are identical for the following other components:

N299 Cap, Green Gore-Tex Nylon, Winter with Flaps

Sample Size: Large

GENERAL DESCRIPTION

The hat shall be "bomber style" with a four-piece oval crown and earflaps with hook and loop closures at the ends to fasten under the chin.

CLASSIFICATION		FWS Spec #
*	All Caps	*
A	FWS Cap	F258
		NPS Spec #
*	All Caps	*
B	NPS Cap	N299

SALIENT CHARACTERISTICS

Components

Type- Class

- A **Basic Material:** The outershell shall be of FWS brown Taslan nylon bonded to Gore-Tex film. The lining shall be acrylic borg pile and Cordura 5000 in the sweatband. The visor shall be face fabric nylon on top, Cordura 5000 on the underside, with Pellon 954 as an interlining.
- B **Basic Material:** The outershell shall be Forest Green Taslan nylon bonded to Gore-Tex film. The lining shall be acrylic borg pile and Cordura 5000 in the sweatband. The visor shall be face fabric nylon on top, Cordura 5000 on the underside, with Pellon 954 as an interlining.
- A **Style:** The hat shall be "bomber style" with a four-piece oval crown 7" in height, a visor 2 ½" wide at center front, and earflaps with hook and loop closures at the ends to fasten under the chin. The cordura sweatband shall enclose a 3/32" bunge cord which shall extend through a brass grommet at the rear of the hat and attach to a "bowlock" fastener to assure a snug fit.
- B **Style:** The hat shall be "bomber style" with a four-piece oval crown 7" in height, a visor 2 ½" wide at center front, and earflaps with hook and loop closures at the ends to fasten under the chin.
- * **Sewing:** All outside pieces to be sewn using single needle lockstitch with 3/8" finished seam, except the visor, which shall have a ¼" finished seam joining the outer fabric with Pellon and Cordura and a topstitch 1/16" from edge. Velcro on earflaps shall be topstitched with a single needle lockstitch 1/16" from the edge. All thread color must match fabric.
- B **Emblem:** An emblem shall be centered on the front panel approximately 1 inch above the visor.
- * **Sizes:** S, M, L, XL

ATTACHMENT C

F264 Cap, Ski, Dark Brown Wool Knit

Specifications are identical for the following other components:

C265 Cap, Ski, Dark Green Acrylic Knit

N266 Cap, Ski, Dark Green Acrylic Knit

C267 Cap, Ski, Dark Green Wool Knit

N268 Cap, Ski, Dark Green Wool Knit

Sample Size: One Size

GENERAL DESCRIPTION

The knitted caps shall be Wigwam No. 1016 (wool) or 1017 (acrylic) style cap or equal. Versions with non-allergic wool and wool with acrylic or other appropriate linings shall be submitted for approval by the Agency COTR.

CLASSIFICATION		FWS #	
*	All Caps	*	
A	FWS Wool Knit	F264	
		COE #	NPS #
*	All Caps	*	*
B	C/N Acrylic Knit	C265	N266
C	C/N Wool Knit	C267	N268

SALIENT CHARACTERISTICS

Components

- A **Basic Material:** The material shall be 100% worsted wool. The color shall be dark brown and shall match the standard sample.
- B **Basic Material:** The material shall be 100% acrylic. The color shall be dark Forest Green and shall match the standard sample.
- C **Basic Material:** The material shall be 100% worsted wool. The color shall be dark Forest Green and shall match the standard sample.
- * **Knit:** The cap shall be constructed from a medium circular rib knit except for the crown which shall be a finer rib knit. The knitting shall be continuous between body and crown.
- * **Construction:** The stocking cap shall be knitted on a circular knit machine. The cap shall be formed by folding an appropriate length body of circular knit back on itself and cutting the crowns into four quarters. The four dart edges on each side shall be joined with the stitch line continued across to the opposite four dart edges and repeating again for closing the other two darts. The crown shall be sewn with stitch type 504.
- * **Dimensions:** In a relaxed state the cap shall measure approximately 12" high with a half width of approximately 8".
- * **Labels:** See references and requirements section.
- * **Sizes:** One size fits all.

ATTACHMENT C

F269 Cap, Ball, YCC

Specifications are identical for the following other component:

F257 Cap, Ball, YCC Youth Leader

Sample Size: Regular

GENERAL DESCRIPTION

Enclosed open mesh baseball style cap with five piece crown contour shape and direct embroidery.

CLASSIFICATION FWS Spec

*	All Caps	*
**A	YCC Youth Leader	F257
B	YCC	F269

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The front crown section and upper and under visor sections shall be made from Kelly Green poly/cotton material. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- * **Front Panel:** The front panel shall be constructed of one piece. The panel shall be 7 1/4" wide and 7" high at the center, and shall accommodate the embroidery.
- * **Visor:** The visor and visor lining shall be twill fabric interlined with a visor stiffener and sewn with six parallel rows of gauge stitching that follow the contour of the visor. The visor shall finish smooth without twists or puckers.
- * **Sweatband:** The sweatband shall finish a minimum of 1 1/4" wide and be constructed of cotton twill, interlined with .078" polyurethane foam. The sweatband shall not pucker, curve, arc, buckle or twist.
- * **Crown:** The crown pieces shall be sewn together, the seam allowance pressed flat, then sewn down the 5/8" tape with stitch type 301 or 401.
- * **Closing Seams:** The visor and sweatband shall be sewn to the crown with type 301 stitch and the sweatband shall finish smooth and be flat against inside of cap. A button covered with basic material, size 22 ligne, shall be set into the crown at the junction of the five crown pieces.
- * **Rear Outlet:** The rear outlet cut shall be folded under and taped down.
- * **Backstrap:** The size adjuster shall be plastic tape to match twill material with seven holes and pins that snap together to provide a secure closure.
- * **Direct Embroidery:** The United States Youth Conservation Corps logo shall be direct embroidered onto the front panel in the center. The wording and embroidery on the front panel shall be machine embroidered on embroidery machines with automats, and shall not be produced on multhead equipment.

ATTACHMENT C

- **A "YOUTH LEADER" shall be direct embroidered in white along either side of logo slightly below center vertically in block letters proportional to emblem and cap.**

Thread color names and numbers are the applicable standard sample for shade and are contained in the DOD Standard Color Card of Official Standardized Shades for Heraldic Yarns for Embroidery and Ribbons. The Color Card is obtainable from the Color Card Association of the United States, Inc., 343 Lexington Avenue, New York, NY 10016.

Thread colors and deniers, along with the necessary number of color changes are identified as follows, and shall closely match the following Heraldic yarn color shades:

<u>Description</u>	<u>Cable Name</u>	<u>Cable No.</u>	<u>Poly</u>
White FD 008	White HA	67101	90/2
Dark Cadet FD 103	Cannes Blue HBV	67171	90/2
Hollywood Green-FDB-34	Emerald IIAC	67128	90/2

Thread shall be polyester yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the "bleeding" (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

Double thread or any thread of different deniers or plys shall not be permitted in any part of the embroidery. Single thread stitching in the deniers and plys above shall be used throughout.

- * Thread:** The thread shall be polyester, size 40 or cotton-covered polyester, size 50 color dyed to match basic material except the direct embroidery threads which shall conform to the specifications above.
- * Stitches Per Inch:** The stitches per inch shall be 7-9 for all cap operations except 5 stitches per inch on the visor.
- * Sizes:** There shall be one size: Regular

ATTACHMENT C

F277 Coveralls, Brown 12 Oz. Cotton Duck, Insulated

Specifications are identical for the following other components:

N282 Coveralls, Green 12 Oz. Cotton Duck, Insulated

C281 Coveralls, Green 12 Oz., Cotton Duck, Insulated

Sample Size: All dimensions are based on size 42R

GENERAL DESCRIPTION

Walls Carhart coveralls or equal, fully lined and insulated coveralls are designed to be worn as outer garments over regular clothing. The coveralls feature front zipper closures with four front pockets and three back pockets. Outseams have thigh-high zipper closures.

TYPE ITEMS: *--Male and Female

CLASSIFICATION	FWS #	NPS #	COE #
* All Coveralls	*	*	*
A Brown	F277	-	-
B Green		N282	C281

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** The shell material shall be brown 12 ounces per square yard, vat-dyed 100 percent cotton duck. The lining shall be 100% nylon taffeta with 100% polyester 4 ounces per square yard fill. The lining fabric yarn denier shall be 70 warp and 70 fill. Construction shall be 104 warp and 68 fill threads.
- *-B **Basic Material:** The shell material shall be Forest Green 12 ounces per square yard, vat-dyed 100 percent cotton duck with Forest Green color. The lining shall be 100% nylon taffeta with 100% polyester 4 ounces per square yard fill. The lining fabric yarn denier shall be 70 warp and 70 fill. Construction shall be 104 warp and 68 filling threads.
- * **Front Zipper:** The front closure shall be two-way, size 5 brass zipper with single pull long tab sliders positioned mouth-to-mouth. There shall be one snap centered on the waistband, ½" from the front edge and one snap 1" below neckline and 1" from the front edge. A 1 1/8" wide storm flap shall cover the zipper.
- * **Leg Zipper:** Coveralls shall have a full-length two way, size 5 brass zipper inserted in sideseam of each leg from bottom of pant cuff to waistband. Zipper shall be same as front zipper except for length. A 1 ¼" storm flap shall cover zipper and be snapped with four snaps, one at bottom of pant leg and three equally spaced between leg bottom and waistband.
- * **Lining:** The insulated lining shall be attached to outer shell with 8-12 stitches per inch. All seams shall be inverted. Lining shall be inserted in bodice portion and stitched directly to shell in pants portion.
- * **Label:** See general reference and requirements sheet.
- * **Thread:** Oncore size 50 polyester core/cotton wrap to match basic materials.

ATTACHMENT C

General Instructions

- * **Cutting:** N/A.
- * **Stitching:** Double or triple needle construction, 1/4" gauge, on all seams except label and collar. Five-thread overedge chain stitch with safety stitch, 3/8" gauge. Zipper tapes shall be attached with two rows of stitching.

Detail Design Characteristics

- * **Front:** The waistband and waistband lining shall be folderset, 1 3/8" to 1 5/8" wide, one-piece construction. Waistband shall be basic material and waistband lining shall be self-goods fabric. Waistband and waistband lining shall be topstitched with double stitching 3/16" to 1/4" gauge, at top and bottom of waistband with outer rows 1/16" from edges.
- * **Pockets:** There shall be four front pockets consisting of two breast patch pockets with size 3 brass zipper closures which shall be 5 1/2" to 7" long. Breast pockets shall be 7" wide, 4" on front side and 7" on back side. Breast pockets to be a minimum of 5 1/2" wide by 5 3/4" deep. Two front quartertop swing pockets with 7 1/2" opening by 5" deep from bottom edge of opening. Pocketing shall be 80% polyester - 20% rayon greige, 3 ounces weight. Two hip pockets, minimum 7", folderset, shall be attached with 7-9 stitches per inch.
- * **Collar:** The fabric shall be same color as coverall or dark brown corduroy for the top collar with basic material as undercollar. The collar shall be stitched, turned and topstitched 1/8" to 1/4" gauge. The collar shall be approximately 4 1/2" high at center back and shall be approximately 19" wide with approximately 4" collar points.
- * **Sleeves:** The sleeves shall be two-piece, set-in construction hemmed with inside knit wristlet. The pencil pocket on the left sleeve is optional.
- * **Bi-Swing Back:** There shall be a two-piece back with a 1" wide pleat.
- *-A **Patch:** The large U.S. Fish and Wildlife Service patch (4 1/2" x 3 1/2") shall be sewn on the left sleeve, centered and 1 3/4" to 2" below the shoulder seam depending on the size of the garment.
- *-B **Patch:** An arrowhead shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 3/4" to 2" below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using a brown thread closely matching the emblem background color.

Sizes and Measurements

- * **Sizes:**
 - Short 36-48
 - Regular 32-54
 - Long 38-52
 - X Long 40-48

ATTACHMENT C

F278 Coveralls, Brown 8 Oz. Cotton Duck, Uninsulated

Specifications are identical for the following other components:

N283 Coveralls, Green 8 Oz. Cotton Duck, Uninsulated

Sample Size: All dimensions are based on size 44R

GENERAL DESCRIPTION

Walls Carhart coveralls or equal are designed to be worn as outer garments over regular clothing. The coveralls feature front zipper closures with four front pockets and three back pockets.

TYPE ITEMS: *--Male and Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
* All Coveralls	*	*
A Brown	F278	
B Green		N283

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The basic material shall be vat-dyed 100 percent cotton duck, 8 ounces per square yard, minimum. The color shall be brown.
- *-B **Basic Material:** The basic material shall be vat-dyed 100 percent Forest Green cotton duck, 8 ounces per square yard, minimum.
- * **Front Zipper:** The front closure shall be two-way, size 5 brass zipper with single pull, long tab sliders positioned mouth-to-mouth. There shall be one snap centered on the waistband, ½" from the front edge, and one snap 1" below the neckline and 1" from front edge. A 1 1/8" wide storm flap shall cover the zipper.
- * **Lining:** N/A.
- * **Label:** See general reference and requirements sheet.
- * **Thread:** Oncore size 50 polyester core/cotton wrap to match basic materials.

General Instructions

- * **Cutting:** N/A.
- * **Stitching:** Five-thread overedge chain stitch with safety stitch 3/8" gauge, 6-10 stitches per inch. Collar and lapels shall be single needle construction.

ATTACHMENT C

Detail Design Characteristics

- * **Front:** The waistband shall be folderset, 1 3/8" wide, one-piece construction. Waistband shall be basic material. Waistband shall be topstitched with double stitching 1/4" gauge, at top and bottom of waistband with outer rows 1/8" from edges.
- * **Pockets:** There shall be two breast patch pockets with size 3 brass zipper closures which shall be a minimum of 5 1/2" long. Breast pockets shall be a minimum of 6 1/2" wide, minimum of 3 7/8" on front side and a minimum of 7" on back side. There shall be two minimum 5 1/2" quartertop front pockets 11" deep to waistband and two bottom reinforced swing pockets with passthrough at the outseams. The pocketing shall be 80-20 poly rayon, 3-ounce weight. The two back hip pockets shall be patch pockets minimum of 7" wide by a minimum of 7 1/2" deep and folderset attached with double stitching, 3/16" gauge. Left hip pocket has a zipper (same size and type as breast pocket zipper) and is optional.
- * **Collar:** The collar shall be convertible one-piece construction made from same material or brown corduroy material. The collar shall be approximately 4 1/2" high at center back, 19" wide with 4" collar points. It shall be stitched, turned and topstitched 1/8" gauge. The under collar shall be made from basic material.
- * **Sleeves:** The sleeves shall be two-piece, set-in construction with snap closure. Left sleeve pencil pocket is optional.
- * **Back:** The back shall be 2 piece, bi-swing style with double seam construction. Each side shall have a 1" pleat at the shoulder seam, folded from inside to outside seam and topstitched 1/4" gauge. The pleat shall taper to 3/8" at the waist. A 1 1/4" wide tab shall be sewn in each outside seam 5 1/2" below sleeve seam. Tab shall be 2 3/4" long with a horizontal buttonhole centered on the tab, 1/4" from open end. Two brass buttons shall be sewn 2 1/2" above waistband 1 1/2" apart with the first button 3" from side seam.
- *-A **Patch:** An official U.S. Fish and Wildlife Service shoulder shall be sewn securely in the center of the left sleeve with the top edge 1 3/4" to 2" below the shoulder seam. The patch shall be sewn with inconspicuous stitching using a thread closely matching the emblem background color.
- *-B **Patch:** An arrowhead shoulder shall be sewn securely in the center of the left sleeve with the top edge 1 3/4" to 2" below the shoulder seam. The patch shall be sewn with inconspicuous stitching using a brown thread closely matching the emblem background color.

Sizes and Measurements

- * **Sizes:**
 - Short 36-48
 - Regular 32-54
 - Long 38-54
 - XLong 42-48

ATTACHMENT C

F279 Coveralls, Brown 7 Oz. Twill, Unlined Summer, Long Sleeve

Specifications are identical for the following other component:

F280 Coveralls, Brown 7 Oz. Twill, Unlined Summer, Short Sleeve

Sample Size: All dimensions are based on size 44R

GENERAL DESCRIPTION

Coverall designed to be worn as outer garment, style by Walls or approved equal.

TYPE ITEMS: *--Male and Female

CLASSIFICATION	FWS # (M/F)
* All Coveralls	*
A Long Sleeve	F279
B Short Sleeve	F280

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** The material shall be 100% cotton, Graniteville "Hippagator" twill, 7 ounces per yard. The color shall be Graniteville, Shade No. 64530-20.
- *-B **Basic Material:** The material shall be 100% cotton, Graniteville "Hippagator" twill, #48 Supershirting. 7 ounces per yard. The color shall be Graniteville, Shade No. 64530-20.
- * **Front Zipper:** Shall be a two-way, double slider, brass gripper zipper and color shall match basic material. Zipper shall run from hip line to chest line. Shall have snap at top terminal of zipper and one snap 1" below neckline and 1" from front edge.
- * **Leg Zipper:** Shall have 18" zipper inserted in sideseam of each leg. Snaps on bottom of leg.
- * **Lining:** Pocketing shall be 100% Cotton.
- * **Thread:** Premier Veespun 40-3 shall be used, color shall match basic material. Veespun 24-3 matching basic material and Veespun 40-3, white, shall be used on pocketing.
- * **Label:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** N/A.
- * **Stitching:** All stitching shall be 6-10 stitches per inch. Center back, seat seam and crotch seam shall be double needle construction.

ATTACHMENT C

Detail Design Characteristics

- * **Collar:** Shall be of basic material, topstitched on the outside. The collar liner shall be of basic material. Collar shall be 3" at center back, 2-3/4" points, and 1/8" gauge topstitching.
- * **Front:** Front closed with #5 two-way brass zipper. One 14 ligne stainless steel gripper at top of zipper (concealed); one 14 ligne stainless steel gripper at neck (concealed); one 14 ligne stainless steel gripper on each cuff (concealed).
- * **Front Pockets:** Shall have four front pockets.
- * **Breast Pockets:** There shall be two breast patch pockets with zipper closures. Breast pocket shall be 7" wide, 4" high at front edge, 5" high as back edge, 3" center slant. Top of pocket and zipper shall be 6" long. Pocket shall be topstitched with 1/8" gauge.
- * **Quartertop Pockets:** There shall be two 6-1/2" quartertop front pockets and two bottom reinforced swing pockets with pass-through outseams.
- * **Hip Pockets:** The two back hip pockets shall be patch pockets 7" wide x 6 3/4" deep and folderset attached with double stitching, 1/4" gauge. The left hip pocket shall close at the top with a brass zipper 6" long. One plier pocket shall be attached immediately below right hip pocket. The quartertop plier pocket shall have a 2- 1/2" opening x 5-1/4" deep from bottom of opening. The top plier pocket is 3-1/2" wide from side seam and top portion is 2-ply.
- *-A **Sleeves:** The sleeves shall be two-piece, set in construction with snap closure. Left sleeve shall have a 2-3/8 inches wide by 4 3/4 inches deep pencil pocket with bartack in the center to form two pencil compartments. The pencil pocket shall be located 6 inches below the shoulder seam. (Pocket has three bartacks – two at each corner and one in center -vertical.)
- *-B **Sleeves:** Shall have set-in construction. Shall have half sleeves, which shall measure 9" - 10" long from shoulder seam. The bottom hem shall be 1-3/4" wide, folded to the outside, turned under and topstitched 3/16" from folded edge. Bottom edge of closing seam shall be bartacked within 1/8" of edge or shall be backstitched.
- * **Back:** Shall have 2 piece back with double seam construction. Each side shall have a 1" pleat at top shoulder folded from inside to outside seam with 1/8" topstitching and tapers to 3/8" at waist.
- * **Waistband:** Shall be folderset, 1 3/4" finished width, one piece construction. Shall be double stitched with 1/4" gauge. The waistband shall have a shirred insert starting 1 1/2" from each side seam and extending 2 1/2" relaxed, toward the center back.
- *-A **Patch:** The large U.S. Fish and Wildlife Service patch (4 1/2" x 3 1/2") shall be sewn on left sleeve, centered and 3/4" below the shoulder seam.
- *-B **Patch:** The large U.S. Fish and Wildlife Service patch (4 1/2" x 3 1/2") shall be sewn on left sleeve, centered and 7/8" below the shoulder seam.

Sizes and Measurements

Sizes:

Short	36 – 46
Regular	30 – 54
Long	38 – 52

ATTACHMENT C

F280 Coveralls, Brown 7 Oz. Twill, Unlined Summer, Short Sleeve

Specifications are identical for the following other component:

F279 Coveralls, Brown 7 Oz. Twill, Unlined Summer, Long Sleeve

Sample Size: All dimensions are based on size 44R

GENERAL DESCRIPTION

Coverall designed to be worn as outer garment, style by Walls or approved equal.

TYPE ITEMS: *--Male and Female

CLASSIFICATION	FWS # (M/F)
* All Coveralls	*
A Long Sleeve	F279
B Short Sleeve	F280

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** The material shall be 100% cotton, Graniteville "Hippagator" twill, 7 ounces per yard. The color shall be Graniteville, Shade No. 64530-20.
- *-B **Basic Material:** The material shall be 100% cotton, Graniteville "Hippagator" twill, #48 Supershirting. 7 ounces per yard. The color shall be Graniteville, Shade No. 64530-20.
- * **Front Zipper:** Shall be a two-way, double slider, brass gripper zipper and color shall match basic material. Zipper shall run from hip line to chest line. Shall have snap at top terminal of zipper and one snap 1" below neckline and 1" from front edge.
- * **Leg Zipper:** Shall have 18" zipper inserted in sideseam of each leg. Snaps on bottom of leg.
- * **Lining:** Pocketing shall be 100% Cotton.
- * **Thread:** Premier Veespun 40-3 shall be used, color shall match basic material. Veespun 24-3 matching basic material and Veespun 40-3, white, shall be used on pocketing.
- * **Label:** See general reference and requirements sheet.

General Instructions

- * **Cutting:** N/A.
- * **Stitching:** All stitching shall be 6-10 stitches per inch. Center back, seat seam and crotch seam shall be double needle construction.

ATTACHMENT C

Detail Design Characteristics

- * **Collar:** Shall be of basic material, topstitched on the outside. The collar liner shall be of basic material. Collar shall be 3" at center back, 2-3/4" points, and 1/8" gauge topstitching.
- * **Front:** Front closed with #5 two-way brass zipper. One 14 ligne stainless steel gripper at top of zipper (concealed); one 14 ligne stainless steel gripper at neck (concealed); one 14 ligne stainless steel gripper on each cuff (concealed).
- * **Front Pockets:** Shall have four front pockets.
- * **Breast Pockets:** There shall be two breast patch pockets with zipper closures. Breast pocket shall be 7" wide, 4" high at front edge, 5" high as back edge, 3" center slant. Top of pocket and zipper shall be 6" long. Pocket shall be topstitched with 1/8" gauge.
- * **Quartertop Pockets:** There shall be two 6-1/2" quartertop front pockets and two bottom reinforced swing pockets with pass-through outseams.
- * **Hip Pockets:** The two back hip pockets shall be patch pockets 7" wide x 6 3/4" deep and folderset attached with double stitching, 1/4" gauge. The left hip pocket shall close at the top with a brass zipper 6" long. One plier pocket shall be attached immediately below right hip pocket. The quartertop plier pocket shall have a 2- 1/2" opening x 5-1/4" deep from bottom of opening. The top plier pocket is 3-1/2" wide from side seam and top portion is 2-ply.
- *-A **Sleeves:** The sleeves shall be two-piece, set in construction with snap closure. Left sleeve shall have a 2-3/8 inches wide by 4 3/4 inches deep pencil pocket with bartack in the center to form two pencil compartments. The pencil pocket shall be located 6 inches below the shoulder seam. (Pocket has three bartacks – two at each corner and one in center -vertical.)
- *-B **Sleeves:** Shall have set-in construction. Shall have half sleeves, which shall measure 9" - 10" long from shoulder seam. The bottom hem shall be 1-3/4" wide, folded to the outside, turned under and topstitched 3/16" from folded edge. Bottom edge of closing seam shall be bartacked within 1/8" of edge or shall be backstitched.
- * **Back:** Shall have 2 piece back with double seam construction. Each side shall have a 1" pleat at top shoulder folded from inside to outside seam with 1/8" topstitching and tapers to 3/8" at waist.
- * **Waistband:** Shall be folderset, 1 3/4" finished width, one piece construction. Shall be double stitched with 1/4" gauge. The waistband shall have a shirred insert starting 1 1/2" from each side seam and extending 2 1/2" relaxed, toward the center back.
- *-A **Patch:** The large U.S. Fish and Wildlife Service patch (4 1/2" x 3 1/2") shall be sewn on left sleeve, centered and 3/4" below the shoulder seam.
- *-B **Patch:** The large U.S. Fish and Wildlife Service patch (4 1/2" x 3 1/2") shall be sewn on left sleeve, centered and 7/8" below the shoulder seam.

Sizes and Measurements

Sizes:

Short	36 – 46
Regular	30 – 54
Long	38 – 52

ATTACHMENT C

F286 Flashlight, Baton Ring

Sample Size: Not Applicable

GENERAL DESCRIPTION

Combination ring holder with two sized rings permitting either a baton or flashlight shall be carried.

TYPE ITEMS: *--Male and Female

CLASSIFICATION

* **All**

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** Combination ring holder with two sized rings permitting either a baton or flashlight shall be carried.
- * **Label:** See general reference and requirements sheet.

General Instructions

- * **Construction:** The holder shall be a strap of 7 ½ oz. Leather ¾" wide, folder at one end with a 2" ring placed in the fold. The strap is long enough to form a loop around a 2 ¼" Sam Browne belt. The opposite end of strap is folded down to ring end and all ends are riveted together.

ATTACHMENT C

F287 Gaiters, Dark Brown Gore-Tex

Specifications are identical for the following other component:

N288 Gaiters, Green Gore-Tex

Sample Size: All dimensions are based on size large.

GENERAL DESCRIPTION

The gaiters shall be Raven Industries or equal. The uppers shall be constructed from two-ply Gore-Tex fabric and lined with nylon taffeta. The gaiters have a nylon lace instep strap with zipper and snap closed side openings.

TYPE ITEMS: *--All Gaiters

CLASSIFICATION	FWS #	NPS #
* All Gaiters	* F287	* N288

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The upper panels shall be constructed from Gore-Tex fabric, the lower panels shall be constructed from 1000 Denier Cordura Urethane coated dark brown (FWS) or Forest Green (NPS).
- * **Zipper:** The zippers shall be YKK Vislon plastic scoop type, size 5 or equal. The zippers shall have single, long pull tab sliders and 1/2 inch wide tapes.
- * **Labels:** Identification, size, and care labels shall be sewn to inside of the upper panel seam.

Detail Design Characteristics

- * **Construction:** The coated side of the Gore-Tex laminate shall face to the inside. All stitching shall be lock stitch (type 301).
- * **Upper Panel:** The upper panels shall extend down 10 1/2 inches. The top of the upper panels shall be turned to the inside, folded down with the raw edge turned under and topstitched 1/8 inch. The top edge seam shall finish 1 3/8 inch wide and shall form a draw cord channel. A 1/4 inch wide nylon lace draw cord shall be inserted into the channel with an end stitched down to the front edge of the under flap with the other end extending out past the edge of the over-flap a minimum of 3 inches in a relaxed state. A black plastic cord lock 1 inch long oval shaped and a 1/4 inch diameter opening shall be attached to the end of the draw cord. The bottom of the upper panel shall be joined to the bottom panel with overedge seam turned up and double needle 1/4 inch gauge. With the gaiter opened, the one piece upper panel including the over-flap shall be 19-3/8 inches wide at the top and 17 3/4 inches wide where it joins the lower panel.

ATTACHMENT C

- * **Lower Panel:** The lower panel shall extend down from the upper panel joining seam 7 1/2 inches. The lower panel including the over-flap shall be 17 3/4 inches wide at the top and 21 inches wide at the bottom. Extended the lower panel shall be constructed with two pieces. The outside piece shall be 5 1/2 inches wide at the top and 7-1/4 inches wide at the bottom between the back edge of the over-flap to the center front seam. The center front seam shall be sewn to form a curve down the front edge of the gaiters. A boot lace hook shall be located on the center fold seam 1/4 inch from the bottom, with the hook to the inside and curving towards the back. The inside lower panel shall be 11-3/4 inches wide at the top and 14-1/2 inches wide at the bottom. A 3/4 inch wide elastic band shall be sewn into the bottom seam and shall start 1 inch from the side seam and extend 6 inches from the side seam. The bottom seam shall finish 1 inch wide and shall be formed by folding the bottom edge up to the inside with the raw edge turned under and edge stitching it 1/8 inch gage. Two 1/2 inch diameter grommets with the hold measuring 1/4 inch in diameter shall be secured 4 1/2 inches from the center front seam and 1/2 inch from the bottom edge. A 1/2 inch wide nylon lace measuring 15 inches in length shall be tied onto one of the grommets.
- * **Side Opening:** The side opening shall close with a zipper 16 inches long. The zipper shall start even with the bottom edge of the gaiters with the zipper tape sewn to the inside. The edge of the under flap shall be folded to the inside then double stitched through the folded edge to the zipper tape. Five Male snaps shall be attached 3/4 inch from the folded edge of the under flap with the top one, 1/2 inch from the upper edge of the gaiters and the bottom snap 1/2 inch up from the bottom edge of the gaiters. The other 3 snaps shall be spaced equally between the top and bottom snaps. The over-flap shall be 1 3/4 inches wide and shall be formed by folding back the raw edge of the upper and lower panels 2 inches to the inside. The other zipper tape edge shall be aligned with the folded raw edge and double stitched. Five Female snaps shall be fastened 5/8 inch from the folded edge of the over-flap in locations corresponding to the Male snaps.

Sizes and Measurements

Finished Dimensions:

- * **Sizes:** The gaiters shall come in regular and extra wide. The extra wide size shall be the same as the regular except that it shall be 3 inches greater in circumference.

ATTACHMENT C

F289 Gloves, Male, Brown Cowhide, Thinsulate

Specifications are identical for the following other components:

N290 Gloves, Male, Brown Cowhide, Thinsulate

N293 Gloves, Female, Brown Cowhide, Thinsulate

F294 Gloves, Female, Brown Cowhide, Thinsulate

Sample Size: All dimensions are based on Male size L and Female size M.

GENERAL DESCRIPTION

Gates Turbo Cowhide Thinsulate lined dress gloves with hook and pile tape wrist closure or equal.

TYPE ITEMS: *--All Gloves Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F) NPS # (M/F)

*	All Gloves	*	*
		F289/ F294	N290/ N293

SALIENT CHARACTERISTICS

Components

Type-Class

I-* Basic Material: The basic material shall be 1 ¾ ounce brown oil tanned, top grain cowhide leather.

II-* Basic Material: The basic material shall be 1 ½ ounce brown oil tanned, top grain cowhide leather.

I-* Interlining: The interliner shall be thinsulate or equal microfiber insulation of 65% olefin and 35% polyester. The insulation shall weigh 100 grams per square meter.

II-* Interlining: The interliner shall be thinisulate or equal microfiber insulation of 65% olefin and 35% polyester. The insulation shall weight 40 grams per square meter.

*** Lining:** The lining shall be 100 percent light brown knitted rayon.

*** Labels:** See general references and requirements sheet.

Detail Design Characteristics

I-* Construction: The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes and one wrist strap. The main panel shall be folded back on upon itself to form the fronts and backs of the four fingers and palm. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the back shall be cut down vertically 2-1/4". A half-inch wide strip of leather shall be sewn to the top edge of the glove then rolled to the inside and edge stitched ¼" gage. The strip shall bind the outer shell and lining together. Elastic shirring shall be sewn to the thumb half of the top back with a leather strip 2" long and 7/8" wide. On the other side of the vent a piece of hook tape ¾" wide and 1-1/2" long shall be sewn to the back. A leather strip 2" long and 7/8" wide shall be caught in the binding operation of the vent. A matching piece of pile tape shall be sewn to the end of the strip. Three decorative rows of double stitching 1/8" gage shall be sewn horizontally across the palms.

ATTACHMENT C

All glove stitching shall be type 301. The thumb end seam and the seams stitching the fourchettes to the front of the glove shall be turned inside. The thumb attachment seam and the seams attaching the fourchettes to the back of the glove shall be lap seams with stitching out.

- II-*** **Construction:** The glove shall be constructed from a single piece front and back single piece thumb, and six fourchettes, and one wrist strap. The main panel shall be folded back on upon itself to from the fronts and backs of the four fingers and palm. Single fourchettes shall be sewn to the tow outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the back shall be cut down vertically 2-1/4 inches. A half inch wide strip of leather shall be sewn to the top edge of the glove then rolled to the inside and edge stitched 1/4" gage. The strip shall bind the outer shell and lining together. Elastic shirring shall be sewn to the thumb half of the top back with a leather strip 2" long and 7/8" wide. On the other side of the vent a piece of hook tape 3/4" wide and 1-1/2" long shall be sewn to the back. A leather tab 2" long and 7/8" wide shall be caught in the binding operation of the vent. A matching piece of pile tape shall be sewn to the end of the strip. Cut is 1-3/4". The edge of the cuff shall be folded to the inside 1/4" and sewn down to bind cut edges of interlining and lining. All other seams shall be sewn to the outside and joined with a serge stitch. Three decorative rows of double stitching 1/8" gage shall be sewn vertically into the side seam.

- *** **Lining and Interlining:** The gloves shall be fully lined and interlined.

Sizes and Measurements

- I-*** **Finished Dimensions:** The overall glove length shall be 10-1/4" long from the tip of the middle finger to the edge of cuff. The glove shall be 4-1/2" wide when spread out and measured 1/2" above the base of the little finger.
- II-*** **Finished Dimensions:** The overall glove length shall be 9" long from the from the tip of the middle finger to the edge of cuff. The glove shall be 3-3/4" wide when spread out and measured 1/2" above the base of the little finger.
- I-*** **Sizes:** S, M, L, and XL.
- II-*** **Sizes:** S, M, L, and XL

ATTACHMENT C

F291 Gloves, Male, Brown Deerskin

Specifications are identical for the following other components:

N292 Gloves, Male, Brown Deerskin

F295 Gloves, Female, Brown Deerskin

N296 Gloves, Female, Brown Deerskin

Sample Size: All dimensions are based on Male size L and Female size M.

GENERAL DESCRIPTION

Gates deerskin dress gloves with removable wool liners or equal. Gloves have outseam construction and an adjustable wrist strap snap closure.

TYPE ITEMS: * All Gloves Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

*	All Gloves	*
A	FWS Gloves	F291/F295
		NPS # (M/F)
*	All Gloves	*
B	NPS Gloves	N292/N296

SALIENT CHARACTERISTICS

Components

Type-Class

- I-*** **Basic Material:** The basic material shall be oil tanned, full grain deerskin leather. 2 ½ ounces thick. The deerskin shall be dark brown color.
- II-*** **Basic Material:** The basic material shall be oil tanned, full grain deerskin leather, 1 ¾ ounces thick. The deerskin shall be dark brown color.
- *** **Lining:** The liners shall be 80 percent wool, 20 percent nylon.
- *** **Labels:** See general references and requirements sheet.

ATTACHMENT C

Detail Design Characteristics

I-* **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes, one dart, and one wrist strap. The main panel shall be folded back upon itself to form the fronts and backs of the four fingers. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the palm shall be cut 2 3/4" and a triangular dart sewn under the cut. Dart shall finish 3" long and 1 5/8" wide at cuff. The top edge of the glove shall be folded under 1/2" and edge stitched 1/4" gauge. A wrist strap shall be formed by folding a strip back on itself and edge stitching both sides 1/16" gauge. The strap shall be 7/8" wide and 7 1/2" long. One end shall be rounded and the other end caught in the side seam opposite the thumb. A 3/4" rectangular keeper shall be attached into a cut and stitched slot below the thumb with a 1" loop of leather. A stud buckle with a 3/4" slot shall be threaded on to the strap, the round end run up through the keeper and a Female 24 line brown socket attached 1" from the rounded end. When closed the snap shall finish to the outside.

Three 3 1/2" two outer rows vertical decorative pairs of stitching 1/8" gauge shall be sewn on the backs just above the fingers. All glove stitching shall be type 301. All seams shall be type SSa 1, 1/8" gauge with seams to the outside except for the dart seams which shall be type LSa 1.

II-* **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes, one dart, and one wrist strap. The main panel shall be folded back upon itself to form the fronts and backs of the four fingers. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the palm shall be cut 1 1/2" and a triangular dart sewn under the cut. Dart shall finish 1 1/2" long and 1 1/4" wide at cuff. The top edge of the glove shall be folded under 1/4" and edge stitched 1/8" gauge. A wrist strap shall be formed by folding a strip back on itself and edge stitching both sides 1/16" gauge. The strap shall be 7/8" wide and 5 3/4" long. One end shall be rounded and the other end caught in the side seam opposite the thumb. A 3/4" rectangular keeper shall be attached into a cut and stitched slot below the thumb with a 1" loop of leather. A stud buckle with a 3/4" slot shall be threaded on to the strap, the round end run up through the keeper and a Female 24 line brown socket attached 1/2" from the rounded end. When closed the snap shall finish to the outside. All glove stitching shall be type 301. All seams shall be type SSa 1, 1/8" gauge with seams to the outside except for the dart seams which shall be type LSa 1. No decorative stitching.

***** **Wool Lining:** The wool glove liner shall be one piece rib knit construction. The glove body shall be a fine rib knit and the cuff shall be a wide rib knit. The cut end shall be serged, folded down to the inside 3 1/2" to form the cuff.

Sizes and Measurements

I-* **Finished Dimensions:** The overall glove length shall be 10 1/2" long from the tip of the middle finger to the edge of cuff. The glove shall be 4 5/8" wide when spread out and measured 1/2" above the base of the little finger. The wool liner shall be 12 1/4" long and 4 1/2" wide.

II-* **Finished Dimensions:** The overall glove length shall be 9 3/4" long from the tip of the middle finger to the edge of cuff. The glove shall be 4" wide when spread out and measured 1/2" above the base of the little finger.

I-* **Sizes:** S, M, L, XL

II-* **Sizes:** S, M, L

ATTACHMENT C

F294 Gloves, Female, Brown Cowhide, Thinsulate

Specifications are identical for the following other components:

F289 Gloves, Male, Brown Cowhide, Thinsulate

N290 Gloves, Male, Brown Cowhide, Thinsulate

N293 Gloves, Female, Brown, Cowhide, Thinsulate

Sample Size: All dimensions are based on Male size L and Female size M.

GENERAL DESCRIPTION

Gates Turbo Cowhide Thinsulate lined dress gloves with hook and pile tape wrist closure or equal.

TYPE ITEMS: *--All Gloves Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F) NPS # (M/F)

*	All Gloves *	*	*
		F289/ F294	N290/ N293

SALIENT CHARACTERISTICS

Components

Type-Class

I-* **Basic Material:** The basic material shall be 1 ¾ ounce brown oil tanned, top grain cowhide leather.

II-* **Basic Material:** The basic material shall be 1 ½ ounce brown oil tanned, top grain cowhide leather.

I-* **Interlining:** The interliner shall be thinsulate or equal microfiber insulation of 65% olefin and 35% polyester. The insulation shall weigh 100 grams per square meter.

II-* **Interlining:** The interliner shall be thinisulate or equal microfiber insulation of 65% olefin and 35% polyester. The insulation shall weight 40 grams per square meter.

***** **Lining:** The lining shall be 100 percent light brown knitted rayon.

***** **Labels:** See general references and requirements sheet.

Detail Design Characteristics

I-* **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes and one wrist strap. The main panel shall be folded back on upon itself to form the fronts and backs of the four fingers and palm. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the back shall be cut down vertically 2-1/4". A half-inch wide strip of leather shall be sewn to the top edge of the glove then rolled to the inside and edge stitched ¼" gage. The strip shall bind the outer shell and lining together. Elastic shirring shall be sewn to the thumb half of the top back with a leather strip 2" long and 7/8" wide. On the other side of the vent a piece of hook tape ¾" wide and 1-1/2" long shall be sewn to the back. A leather strip 2" long and 7/8" wide shall be caught in the binding operation of the vent. A matching piece of pile tape shall be sewn to the end of the strip. Three decorative rows of double stitching 1/8" gage shall be sewn horizontally across the palms.

ATTACHMENT C

All glove stitching shall be type 301. The thumb end seam and the seams stitching the fourchettes to the front of the glove shall be turned inside. The thumb attachment seam and the seams attaching the fourchettes to the back of the glove shall be lap seams with stitching out.

- II-*** **Construction:** The glove shall be constructed from a single piece front and back single piece thumb, and six fourchettes, and one wrist strap. The main panel shall be folded back on upon itself to from the fronts and backs of the four fingers and palm. Single fourchettes shall be sewn to the tow outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the back shall be cut down vertically 2-1/4 inches. A half inch wide strip of leather shall be sewn to the top edge of the glove then rolled to the inside and edge stitched 1/4" gage. The strip shall bind the outer shell and lining together. Elastic shirring shall be sewn to the thumb half of the top back with a leather strip 2" long and 7/8" wide. On the other side of the vent a piece of hook tape 3/4" wide and 1-1/2" long shall be sewn to the back. A leather tab 2" long and 7/8" wide shall be caught in the binding operation of the vent. A matching piece of pile tape shall be sewn to the end of the strip. Cut is 1-3/4". The edge of the cuff shall be folded to the inside 1/4" and sewn down to bind cut edges of interlining and lining. All other seams shall be sewn to the outside and joined with a serge stitch. Three decorative rows of double stitching 1/8" gage shall be sewn vertically into the side seam.

- *** **Lining and Interlining:** The gloves shall be fully lined and interlined.

Sizes and Measurements

- I-*** **Finished Dimensions:** The overall glove length shall be 10-1/4" long from the tip of the middle finger to the edge of cuff. The glove shall be 4-1/2" wide when spread out and measured 1/2" above the base of the little finger.
- II-*** **Finished Dimensions:** The overall glove length shall be 9" long from the from the tip of the middle finger to the edge of cuff. The glove shall be 3-3/4" wide when spread out and measured 1/2" above the base of the little finger.
- I-*** **Sizes:** S, M, L, and XL.
- II-*** **Sizes:** S, M, L, and XL

ATTACHMENT C

F295 Gloves, Female, Brown Deerskin

Specifications are identical for the following other components:

F291 Gloves, Male, Brown Deerskin

N292 Gloves, Male, Brown Deerskin

N296 Gloves, Female, Brown Deerskin

Sample Size: All dimensions are based on Male size L and Female size M.

GENERAL DESCRIPTION

Gates deerskin dress gloves with removable wool liners or equal. Gloves have outseam construction and an adjustable wrist strap snap closure.

TYPE ITEMS: * All Gloves Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

*	All Gloves	*
A	FWS Gloves	F291/F295

		NPS # (M/F)
*	All Gloves	*
B	NPS Gloves	N292/N296

SALIENT CHARACTERISTICS

Components

Type-Class

I-* **Basic Material:** The basic material shall be oil tanned, full grain deerskin leather. 2 ½ ounces thick. The deerskin shall be dark brown color.

II-* **Basic Material:** The basic material shall be oil tanned, full grain deerskin leather, 1 ¾ ounces thick. The deerskin shall be dark brown color.

***** **Lining:** The liners shall be 80 percent wool, 20 percent nylon.

***** **Labels:** See general references and requirements sheet.

ATTACHMENT C

Detail Design Characteristics

I-* **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes, one dart, and one wrist strap. The main panel shall be folded back upon itself to form the fronts and backs of the four fingers. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the palm shall be cut 2 3/4" and a triangular dart sewn under the cut. Dart shall finish 3" long and 1 5/8" wide at cuff. The top edge of the glove shall be folded under 1/2" and edge stitched 1/4" gauge. A wrist strap shall be formed by folding a strip back on itself and edge stitching both sides 1/16" gauge. The strap shall be 7/8" wide and 7 1/2" long. One end shall be rounded and the other end caught in the side seam opposite the thumb. A 3/4" rectangular keeper shall be attached into a cut and stitched slot below the thumb with a 1" loop of leather. A stud buckle with a 3/4" slot shall be threaded on to the strap, the round end run up through the keeper and a Female 24 line brown socket attached 1" from the rounded end. When closed the snap shall finish to the outside.

Three 3 1/2" two outer rows vertical decorative pairs of stitching 1/8" gauge shall be sewn on the backs just above the fingers. All glove stitching shall be type 301. All seams shall be type SSa 1, 1/8" gauge with seams to the outside except for the dart seams which shall be type LSa 1.

II-* **Construction:** The glove shall be constructed from a single piece front and back, single piece thumb, six fourchettes, one dart, and one wrist strap. The main panel shall be folded back upon itself to form the fronts and backs of the four fingers. Single fourchettes shall be sewn to the two outer fingers and double fourchettes sewn to the two middle fingers. The thumb shall be one piece construction with the end of the thumb folded back upon itself and stitched together. The bottom of the thumb shall be oval in shape and stitched to the front of the glove. The top center edge of the palm shall be cut 1 1/2" and a triangular dart sewn under the cut. Dart shall finish 1 1/2" long and 1 1/4" wide at cuff. The top edge of the glove shall be folded under 1/4" and edge stitched 1/8" gauge. A wrist strap shall be formed by folding a strip back on itself and edge stitching both sides 1/16" gauge. The strap shall be 7/8" wide and 5 3/4" long. One end shall be rounded and the other end caught in the side seam opposite the thumb. A 3/4" rectangular keeper shall be attached into a cut and stitched slot below the thumb with a 1" loop of leather. A stud buckle with a 3/4" slot shall be threaded on to the strap, the round end run up through the keeper and a Female 24 line brown socket attached 1/2" from the rounded end. When closed the snap shall finish to the outside. All glove stitching shall be type 301. All seams shall be type SSa 1, 1/8" gauge with seams to the outside except for the dart seams which shall be type LSa 1. No decorative stitching.

***** **Wool Lining:** The wool glove liner shall be one piece rib knit construction. The glove body shall be a fine rib knit and the cuff shall be a wide rib knit. The cut end shall be serged, folded down to the inside 3 1/2" to form the cuff.

Sizes and Measurements

I-* **Finished Dimensions:** The overall glove length shall be 10 1/2" long from the tip of the middle finger to the edge of cuff. The glove shall be 4 5/8" wide when spread out and measured 1/2" above the base of the little finger. The wool liner shall be 12 1/4" long and 4 1/2" wide.

II-* **Finished Dimensions:** The overall glove length shall be 9 3/4" long from the tip of the middle finger to the edge of cuff. The glove shall be 4" wide when spread out and measured 1/2" above the base of the little finger.

I-* **Sizes:** S, M, L, XL

II-* **Sizes:** S, M, L

ATTACHMENT C

F297 Hat, Dark Brown, Felt, Winter

Sample Size: All dimensions are based on size 7 ¼ R

GENERAL DESCRIPTION

Stetson, Rancher 312 Brim F2010. Fur felt hat with Rancher crease and brim.

TYPE ITEMS: *--All Hats Type I—Male Type II—Female

CLASSIFICATION

* **All Hats**

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The basic material shall be genuine fur felt. 4X Beaver quality or approved equal. Color shall be dark brown to match standard sample #202.
- * **Crown:** The crown shall have a rancher crease.
- * **Brim:** The brim shall be Brim F2010 and 3 ½".
- * **Label:** See general references and requirements and sheet.

General Instructions

- * **Stitching:** N/A.

Sizes and Measurements

- * **Sizes:** Regular: 6 3/8-7 7/8
 Long Oval: 6 1/2-7 7/8
 Extra Large Oval: 7-7 3/4

ATTACHMENT C

F302 Hat, Straw

Specifications are identified for the following other component:

Sample Size: All dimensions are based on size 7

GENERAL DESCRIPTION

Stetson "Rockies" rancher-style hat, style W5213 or equal.

TYPE ITEMS: *--All Hats Type I—Male Type II—Female

CLASSIFICATION

* **All Hats**

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** Five Bu glazed Japanese paper (Shantung) woven in a 2x2 weave. Natural.
- * **Crown:** Hats shall be preblocked with center crease and side dents 5 ¾" deep (Cattleman Crease).
- * **Brim:** Full 3 ½" width with 17 1/2.051 (.054-.0619) galvanized hat band wire. Brim shall be preflanged in a Western roll #088.
- * **Sweatband:** Skiver grain genuine (roan) sheepskin leath, 1 5/8" wide. Brown in color, shall be printed in front and on side in gold.
- * **Ribbon:** Black two-ply band.

Sizes and Measurements

- * **Sizes:** Regular Oval: 6 3/8-7 7/8" in 1/8" increments.
 Long Oval: 6 1/2-7 7/8" in 1/8" increments.
 Extra Long: 7-7 3/4 " in 1/8" increments.

ATTACHMENT C

F304 Hat, Tan, Sun

Specifications are identified for the following other component:

Sample Size: All dimensions are based on size Large

GENERAL DESCRIPTION

Sun hat with mesh, foil-lined crown.

TYPE ITEMS: *-- All Hats

CLASSIFICATION

* **All Hats**

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** 100% cotton, twill. Tan.
- * **Crown:** The hat shall have a 3" circumferential brim and 5-panel crown. The hat shall have a nylon mesh crown with silver, aluminized mylar lining under the top 2 panels.
- * **Front Panel:** The front panel shall have nylon mesh interior stiffener.
- * **Visor:** The visor shall have interlining stiffener and spiral tacking.
- * **Sweatband:** The sweatband shall be black, cotton terry
- * **Chin Strap:** The chin strap shall be ¼" black nylon, flat.
- * **Hooks and Loops:** There shall be 2 side tabs (hook and pile)- 2 circular hooks on crown, 2 circular loops on visor. Both the hooks and the loops shall be double bar tacked.
- * **Cordlock:** The cordlock shall be black.
- * **Label:** See general references and requirements sheet.

General Instructions

- * **Stitching:** The seams shall be double needle stitched and taped.

Sizes and Measurements

- * **Sizes:** M – XL

ATTACHMENT C

F305 Hood, Male, Brown Gore-Tex, Overshell

Specifications are identical for the following other components:

F306 Hood, Male, Brown Nylon, Insulated, Nylon Parka
N307 Hood, Male, Green Gore-Tex, Insulated, Overshell
C308 Hood, Male, Green Gore-Tex, Overshell
N309 Hood, Male, Green Gore-Tex, Overshell
C310 Hood, Male, Green Nylon, Insulated, Nylon Parka

Sample Size: Male-L

GENERAL DESCRIPTION

The hood shall be detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.

TYPE ITEMS: * - All Hoods * -A – Uninsulated * -B,C-Insulated

CLASSIFICATION	COE #	FWS #	NPS # (M/F)
* All Hoods	*	*	*
A Goretex, Uninsulated	C308	F305	N309
B Goretex, Insulated			N307
C Nylon, Insulated	C310	F306	

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The basic material shall be outshell fabric, lining fabric, drawcord, cord locks and snaps shall be the same as those cited for use in the parka.
- *-A **Style:** The hood shall be non-insulated, detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-B.C **Style:** The hood shall be insulated, detachable, two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *- A **Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4" gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8" to the front edge of the outer shell to form a visor. The visor shall be 1" wide at sides and 2 1/4" wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back edge of the visor shall be turned up and topstitched 1/8" to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27" long along the face opening and 24 3/4" long on the bottom edge with 4 3/4" wide front extensions. The extension ends 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2" with the raw edge turned under and edge stitched 1/8" gauge. A Female snap shall be located in each corner of the left extension 1/2" from each edge. A Male snap shall be located 1/2" below the top right extension edge and another 1/2" above the bottom extension edge. The Male snaps shall be 1 1/2" in from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8" gauge. Four Female snaps shall be 1" from the bottom edge in locations corresponding to Male snap locations on the same size shell.

ATTACHMENT C

- *-B,C Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The hood insulation shall be 200 gram batting and shall be stitched to the lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4 inch gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8 inch gauge to the front edge of the outer shell to form a visor. The visor shall be 1 inch wide at sides and 2-1/4 inches wide at center front. The visor shall be interlined with a suitable nonwoven fabric. The back edge of the visor shall be turned up and topstitched 1/8 inch gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27-1/2 inches long along the face opening and 26-1/2 inches long on the bottom edge with 5 inches wide front extensions. The extension end 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2 inches with the raw edge turned under and edge stitched 1/8 inch gauge. A Female snap shall be located in each corner of the left extension 1/2 inch from each edge. A Male snap shall be located 1/2 inch below the top right extension edge and another 1/2 inch above the bottom extension edge. The Male snaps shall be 1-1/2 inches in from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8 inch gauge. Four Female snaps shall be 1 inch from the bottom edge in locations corresponding to Male snap locations on the same size parka.
- * Drawstring:** A drawstring tunnel shall be constructed from lining fabric. The tunnel shall be 1-1/2" wide at center front and 3/4" wide at front ends. The tunnel shall start 3" back from the right front extension, follow along the hood opening and end 3" back of the left front extension. The raw edges of the tunnel fabric shall be caught in the seam joining the back edge of the visor lining to the outer shell of the hood. Black painted brass eyelets shall be 3/16" diameter and shall be located through the hood extension at the end of each tunnel opening. A 1/8" diameter black nylon covered elastic cord shall run through the eyelets and tunnel. The drawcord shall be centered and sewn down to the rear center of the drawcord tunnel. Each drawcord end shall have a cord lock attached and a knot 1" from each end. The drawcord shall extend a minimum 2" past each eyelet when in a relaxed state.
- * Back Panel:** A 5/8" wide piece of hook tape 2" long shall be sewn horizontally to the top of the outershell back panel. The tape shall be centered with upper corners within 1/2" of the fell seam. A second piece of 5/8" by 2" long pile tape shall be sewn horizontally 1 1/2" below the lower edge of the hook tape.
- * Labels:** See references and requirements section. For insulated hoods add a woven Thinsulate care label in addition to flat care label inserted into the lining seam inside the hood.
- * Sizes:** S, M, L and XL, and XXL.

ATTACHMENT C

F306 Hood, Male, Brown Nylon, Insulated, Nylon Parka

Specifications are identical for the following other components:

F305 Hood, Male, Brown Gore-Tex, Overshell

N307 Hood, Male, Green Gore-Tex, Insulated, Overshell

C308 Hood, Male, Green Gore-Tex, Overshell

N309 Hood, Male, Green Gore-Tex, Overshell

C310 Hood, Male, Green Nylon, Insulated, Nylon Parka

Sample Size: Male-L

GENERAL DESCRIPTION

The hood shall be detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.

TYPE ITEMS: * - All Hoods * -A – Uninsulated * -B,C-Insulated

CLASSIFICATION	COE #	FWS #	NPS # (M/F)
* All Hoods	*	*	*
A Goretex, Uninsulated	C308	F305	N309
B Goretex, Insulated			N307
C Nylon, Insulated	C310	F306	

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The basic material shall be outshell fabric, lining fabric, drawcord, cord locks and snaps shall be the same as those cited for use in the parka.
- *-A **Style:** The hood shall be non-insulated, detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-B.C **Style:** The hood shall be insulated, detachable, two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *- A **Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4" gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8" to the front edge of the outer shell to form a visor. The visor shall be 1" wide at sides and 2 1/4" wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back edge of the visor shall be turned up and topstitched 1/8" to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27" long along the face opening and 24 3/4" long on the bottom edge with 4 3/4" wide front extensions. The extension ends 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2" with the raw edge turned under and edge stitched 1/8" gauge. A Female snap shall be located in each corner of the left extension 1/2" from each edge. A Male snap shall be located 1/2" below the top right extension edge and another 1/2" above the bottom extension edge. The Male snaps shall be 1 1/2" in from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8" gauge. Four Female snaps shall be 1" from the bottom edge in locations corresponding to Male snap locations on the same size shell.

ATTACHMENT C

- *-B,C Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The hood insulation shall be 200 gram batting and shall be stitched to the lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4 inch gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8 inch gauge to the front edge of the outer shell to form a visor. The visor shall be 1 inch wide at sides and 2-1/4 inches wide at center front. The visor shall be interlined with a suitable nonwoven fabric. The back edge of the visor shall be turned up and topstitched 1/8 inch gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27-1/2 inches long along the face opening and 26-1/2 inches long on the bottom edge with 5 inches wide front extensions. The extension end 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2 inches with the raw edge turned under and edge stitched 1/8 inch gauge. A Female snap shall be located in each corner of the left extension 1/2 inch from each edge. A Male snap shall be located 1/2 inch below the top right extension edge and another 1/2 inch above the bottom extension edge. The Male snaps shall be 1-1/2 inches in from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8 inch gauge. Four Female snaps shall be 1 inch from the bottom edge in locations corresponding to Male snap locations on the same size parka.
- * Drawstring:** A drawstring tunnel shall be constructed from lining fabric. The tunnel shall be 1-1/2" wide at center front and 3/4" wide at front ends. The tunnel shall start 3" back from the right front extension, follow along the hood opening and end 3" back of the left front extension. The raw edges of the tunnel fabric shall be caught in the seam joining the back edge of the visor lining to the outer shell of the hood. Black painted brass eyelets shall be 3/16" diameter and shall be located through the hood extension at the end of each tunnel opening. A 1/8" diameter black nylon covered elastic cord shall run through the eyelets and tunnel. The drawcord shall be centered and sewn down to the rear center of the drawcord tunnel. Each drawcord end shall have a cord lock attached and a knot 1" from each end. The drawcord shall extend a minimum 2" past each eyelet when in a relaxed state.
- * Back Panel:** A 5/8" wide piece of hook tape 2" long shall be sewn horizontally to the top of the outershell back panel. The tape shall be centered with upper corners within 1/2" of the fell seam. A second piece of 5/8" by 2" long pile tape shall be sewn horizontally 1 1/2" below the lower edge of the hook tape.
- * Labels:** See references and requirements section. For insulated hoods add a woven Thinsulate care label in addition to flat care label inserted into the lining seam inside the hood.
- * Sizes:** S, M, L and XL, and XXL.

ATTACHMENT C

F311 Hood, Female, Brown Gore-Tex, Overshell

Specifications are identical for the following other components:

F312 Hood, Female, Brown Nylon, Insulated, Nylon Parka

N313 Hood, Female, Green Gore-Tex, Insulated, Overshell

C314 Hood, Female, Green Gore-Tex, Overshell

N315 Hood, Female, Green Gore-Tex, Overshell

C316 Hood, Female, Green Nylon, Insulated, Nylon Parka

Sample Size: Female-M

GENERAL DESCRIPTION

The hood shall be detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.

TYPE ITEMS: * - All Hoods *-A – Uninsulated *-B,C-Insulated

CLASSIFICATION		COE #	FWS #	NPS #
*	All Hoods	*	*	*
A	Goretex, Uninsulated	C314	F311	N315
B	Goretex, Insulated			N313
C	Nylon, Insulated	C316	F312	

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The basic material shall be outshell fabric, lining fabric, drawcord, cord locks and snaps shall be the same as those cited for use in the parka.
- *-A **Style:** The hood shall be non-insulated, detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-B.C **Style:** The insulated hood shall be detachable, two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-A **Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4" gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8" gauge to the front edge of the outer shell to form a visor. The visor shall be 1" wide at sides and 2" wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back edge of the visor shall be turned up and topstitched 1/8" gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 26 1/2" long along the face opening and 23 1/2" long on the bottom edge with 4 3/4" wide front extensions. The extension ends 4 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2" with the raw edge turned under and edge stitched 1/8" gauge. A Female snap shall be located in each corner of the right extension 1/2" from each edge. A Male snap shall be located 1/2" below the top left extension edge and another 1/2" above the bottom extension edge. The Male snaps shall be 1 1/2" in from the left front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8" gauge. Four Female snaps shall be 1" from the bottom edge in locations corresponding to Male snap locations on the same size parka.

ATTACHMENT C

- *-B,C Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The hood insulation shall be 200 gram batting and shall be stitched to the lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4 inch gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8 inch gauge to the front edge of the outer shell to form a visor. The visor shall be 1 inch wide at sides and 2-1/4 inches wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back-edge of the visor shall be turned up and topstitched 1/8 inch gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27 inches long along the face opening and 23 inches long on the bottom edge with 4³/₄ inches wide front extensions. The extension ends 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2 inches with the raw edge turned under and edge stitched 1/16 inch gauge. A Female snap shall be located in each corner of the right extension 1/2 inch from each edge. A Male snap shall be located 1/2 inch below the top left extension edge and another 1/2 inch above the bottom extension edge. The Male snaps shall be 1¹/₂ inches from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8 inch gauge. Four Female snaps shall be 1 inch from the bottom edge in locations corresponding to Male snap locations on the same size parka.
- * Drawstring:** A drawstring tunnel shall be constructed from lining fabric. The tunnel shall be 1-1/2" wide at center front and 3/4" wide at front ends. The tunnel shall start 3" back from the right front extension, follow along the hood opening and end 3" back of the left front extension. The raw edges of the tunnel fabric shall be caught in the seam joining the back edge of the visor lining to the outer shell of the hood. Black painted brass eyelets shall be 3/16" diameter and shall be located through the hood extension at the end of each tunnel opening. A 1/8" diameter black nylon covered elastic cord shall run through the eyelets and tunnel. The drawcord shall be centered and sewn down to the rear center of the drawcord tunnel. Each drawcord end shall have a cord lock attached and a knot 1" from each end. The drawcord shall extend a minimum 2" past each eyelet when in a relaxed state.
- * Back Panel:** A 5/8" wide piece of hook tape 2" long shall be sewn horizontally to the top of the outershell back panel. The tape shall be centered with upper corners within 1/2" of the fell seam. A second piece of 5/8" by 2" long pile tape shall be sewn horizontally 1 1/2" below the lower edge of the hook tape.
- * Labels:** See references and requirements section. For insulated hoods add a woven Thinsulate care label in addition to flat care label inserted into the lining seam inside the hood.
- * Sizes:** XS, S, M, L and XL.

ATTACHMENT C

F312 Hood, Female, Brown Nylon, Insulated, Nylon Parka

Specifications are identical for the following other components:

F311 Hood, Female, Brown Gore-Tex, Overshell
N313 Hood, Female, Green Gore-Tex, Insulated, Overshell
C314 Hood, Female, Green Gore-Tex, Overshell
N315 Hood, Female, Green Gore-Tex, Overshell
C316 Hood, Female, Green Nylon, Insulated, Nylon Parka

Sample Size: Female-M

GENERAL DESCRIPTION

The hood shall be detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.

TYPE ITEMS: * - All Hoods * -A – Uninsulated *-B,C-Insulated

CLASSIFICATION	COE #	FWS #	NPS #
* All Hoods	*	*	*
A Goretex, Uninsulated	C314	F311	N315
B Goretex, Insulated			N313
C Nylon, Insulated	C316	F312	

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The basic material shall be outshell fabric, lining fabric, drawcord, cord locks and snaps shall be the same as those cited for use in the parka.
- *-A **Style:** The hood shall be non-insulated, detachable two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-B.C **Style:** The insulated hood shall be detachable, two piece construction with drawstring and snap front closures. The hood attaches to the shell with four snaps.
- *-A **Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4" gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8" gauge to the front edge of the outer shell to form a visor. The visor shall be 1" wide at sides and 2" wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back edge of the visor shall be turned up and topstitched 1/8" gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 26 1/2" long along the face opening and 23 1/2" long on the bottom edge with 4 3/4" wide front extensions. The extension ends 4 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2" with the raw edge turned under and edge stitched 1/8" gauge. A Female snap shall be located in each corner of the right extension 1/2" from each edge. A Male snap shall be located 1/2" below the top left extension edge and another 1/2" above the bottom extension edge. The Male snaps shall be 1 1/2" in from the left front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8" gauge. Four Female snaps shall be 1" from the bottom edge in locations corresponding to Male snap locations on the same size parka.

ATTACHMENT C

- *-B,C Construction:** The hood shall be constructed from three pieces of outer shell fabric and three pieces of lining fabric. The hood insulation shall be 200 gram batting and shall be stitched to the lining fabric. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, 1/4 inch gauge. The smaller outer shell fabric piece shall be stitched, turned, and topstitched 1/8 inch gauge to the front edge of the outer shell to form a visor. The visor shall be 1 inch wide at sides and 2-1/4 inches wide at center front. The visor shall be interlined with a suitable non-woven fabric. The back-edge of the visor shall be turned up and topstitched 1/8 inch gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outer shell layers. The hood shall be 27 inches long along the face opening and 23 inches long on the bottom edge with 4³/₄ inches wide front extensions. The extension ends 5 inches past the facial plane of the hood. The left and right front extensions shall be formed by folding the outer shell fabric back to the inside 2 inches with the raw edge turned under and edge stitched 1/16 inch gauge. A Female snap shall be located in each corner of the right extension 1/2 inch from each edge. A Male snap shall be located 1/2 inch below the top left extension edge and another 1/2 inch above the bottom extension edge. The Male snaps shall be 1¹/₂ inches from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning, and edge stitching 1/8 inch gauge. Four Female snaps shall be 1 inch from the bottom edge in locations corresponding to Male snap locations on the same size parka.
- * Drawstring:** A drawstring tunnel shall be constructed from lining fabric. The tunnel shall be 1-1/2" wide at center front and 3/4" wide at front ends. The tunnel shall start 3" back from the right front extension, follow along the hood opening and end 3" back of the left front extension. The raw edges of the tunnel fabric shall be caught in the seam joining the back edge of the visor lining to the outer shell of the hood. Black painted brass eyelets shall be 3/16" diameter and shall be located through the hood extension at the end of each tunnel opening. A 1/8" diameter black nylon covered elastic cord shall run through the eyelets and tunnel. The drawcord shall be centered and sewn down to the rear center of the drawcord tunnel. Each drawcord end shall have a cord lock attached and a knot 1" from each end. The drawcord shall extend a minimum 2" past each eyelet when in a relaxed state.
- * Back Panel:** A 5/8" wide piece of hook tape 2" long shall be sewn horizontally to the top of the outershell back panel. The tape shall be centered with upper corners within 1/2" of the fell seam. A second piece of 5/8" by 2" long pile tape shall be sewn horizontally 1 1/2" below the lower edge of the hook tape.
- * Labels:** See references and requirements section. For insulated hoods add a woven Thinsulate care label in addition to flat care label inserted into the lining seam inside the hood.
- * Sizes:** XS, S, M, L and XL.

ATTACHMENT C

F319 Jacket, Brown 12 Oz. Cotton Duck, Work

Sample Size: All dimensions based on Male size L

GENERAL DESCRIPTION

The male waist length work jacket has lower front hand warmer patch pockets, a knit waistband and cuffs, and an attached hood. The hood and jacket have an insulated lining. There is an inside patch pocket stitched to the left front lining.

TYPE ITEMS: *- All Jackets **Type M:** Male **Type W:** Female

CLASSIFICATION

* All Jackets

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Materials:** Material shall be Avondale Mallard Duck, Brown GMI 17069, impregnable soft finish, 100% cotton, Vat Dyed, Precured, 64" cuttable, 12 oz./sq. yd. Insulation: 5 oz. polyester fiberfill.
- * **Linings:** 100% nylon taffeta face with non-woven scrim backing (thread count: 68 pick). The nylon lining shall be quilted to fiberfill in a 3" diamond stitch. There shall be a non-woven scrim between the nylon and fiberfill to prevent transmigration of the fiberfill through the lining fabric.
- * **Thread:** 30/3 poly/core (cotton wrapped/polyester core)
- * **Zipper:** The zipper shall be a separating #5 brass zipper with an automatic lock and preshrunk tape. There shall be vertical bartacks through all thicknesses in the waistband at the lower ends of the zipper tape. The bartacks are aligned in the zipper stitching.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** 8 stitches per inch on all assembly and topstitching operations. Jacket shell seams shall be 3 needle felled seams, Federal Seam Type LSC-3, 401 chainstitch. Lining seams shall be 3/8" safety stitch seams.

Detail Design Characteristics

- * **Front:** The front of the jacket has hand warmer patch pockets incorporated into the lower corners of each center front. The patch shall finish 4 1/8" wide at the top and 7 1/8" wide at the bottom. It shall measure 4" along the outer edge below the opening and measure 10 5/8" along the inner edge at the zipper. There shall be a 6 3/4" opening between bartacks. The pocket opening is finished with a 7/16" 2 needle folder hem. The upper edge and sides of each pocket are stitched with a 1/4" gauge 2 needle lockstitch. The tops of the pockets shall be in alignment when the zipper is closed.

ATTACHMENT C

- * **Hood:** The front edge of the 2-piece hood is turned back 1 3/8" to accommodate a 40" braided drawstring. The drawstring is threaded through metal eyelets located 1" above the neck seam (and centered in the hem) on the outside of the hood.
- * **Patch pockets:** The front of the jacket has hand warmer patch pockets incorporated into the lower corners of each center front. The patch shall finish 4 3/4" wide at the top and 7 3/4" wide at the bottom. It shall measure 4" along the outer edge below the opening and measure 10 5/8" along the inner edge at the zipper. There shall be a 6 3/4" opening between bartacks. The pocket opening is finished with a 7/16" 2 needle folder hem. The upper edge and sides of each pocket are stitched with a 1/4" gauge 2 needle lockstitch. The tops of the pockets must be in alignment when the zipper is closed.
- * **Back:** The back is plain, with a 1 1/2" hanger loop made of self fabric inserted into the center back neck seam on the outside of the jacket.
- * **Cuffs:** The two piece sleeves have a folded 1 x 1 texturized polyester knit cuff. The finished size of the cuff shall be 3" x 3 3/8".
- * **Patch:** The large U. S. Fish and Wildlife Service shoulder emblem shall be centered on the left sleeve, 2" below the shoulder seam.

Sizes and Measurements

- * **Finished Dimensions:**
- * **Sizes:**

Short	XS-L
Regular	XS-XXXL
Long	L-XXL

ATTACHMENT C

F320 Jacket, Unisex, Brown 3 Oz. Nylon Poplin, Windbreaker

Specifications are identical for the following other components:

N322 Jacket, Unisex, Green 3 Oz, Nylon Poplin, Windbreaker with Badge Tab

N323 Jacket, Unisex, Green 3 Oz. Nylon Poplin, Windbreaker without Badge Tab

Sample Size: All dimensions based on Male size MR and Female size MR

GENERAL DESCRIPTION

The windbreaker shall have a zipper front closure from neck to hemline, 2 zipper closed front pockets, one piece sleeves with elastic bottoms, plain back, permanent collar. Drawstring at jacket bottom on FWS product only.

TYPE ITEMS

* --All Jackets Type I—Male Type II—Female

CLASSIFICATION NPS # (M/F) FWS # (M/F)

*	All Jackets	*	*
A			F320
B	N322		
C	N323		

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Arthur Kahn Techtique of 100% Tactel nylon, 3 to 3.25-ounces per square yard, Poplin weave, Everdry finish for stormproof protection. Dark Brown.
- *-B,C **Basic Material:** The material shall be Arthur Kahn Techtique of 100% Tactel nylon, 3 to 3.25-ounces per square yard, Poplin weave, Everdry finish for stormproof protection. Forest Green.
- * **Zipper:** Nylon Zipper from hemline to neckline shall be used. Two 6 ½" openings shall be closed with nylon zippers on the front pockets.
- * **Labels:** See general reference and requirements sheet.

General Instructions

Detail Design Characteristics

- * **Collar:** Self-goods, convertible style, interlined with a non-fusible interlining, collar points 3", collar width at center back 3 ¼".
- *-A **Front:** The front shall be closed with an exposed nylon zipper. It shall zip to the neck. The bottom of the zipper shall be no more than 2" from the bottom of the windbreaker. Each edge must be topstitched and interlined. The edges shall be bound with brown nylon.
- *-B,C **Front:** The front shall be closed with an exposed nylon zipper. It shall zip to the neck. The bottom of the zipper shall be no more than 2" from the bottom of the windbreaker. Each edge must be topstitched and interlined. The edges shall be bound with Forest Green self-goods.

ATTACHMENT C

- * **Pockets:** There shall be one slash pocket on each jacket front, left and right, with an 6 ½” slash, 5 ½” opening closed with a nylon zipper allowing for a hand opening of approximately 5 ½” between zipper stops. The pocket opening shall be topstitched on all four sides using a 1/16” method. The pockets shall be 5 ½” wide and 5 ¼” deep at the center.
- * **Back:** The back shall be plain and one piece.
- * **Sleeves:** Sleeves shall be one piece. The sleeve bottoms shall have a 1” Polyester elastic sewn in, turned, and topstitched ¾”.
- *-A **Bottom:** The bottom of the windbreaker shall have a 7/8” wide hem, turned to the inside and topstitched to form a tunnel for a black braided drawstring, knotted on the ends.
- *-B,C **Bottom:** The bottom of the windbreaker shall have a 7/8” wide hem, turned to the inside and topstitched.
- *-B,C **Badge Reinforcement:** The badge tab shall be made of the outer fabric, 1” wide with 2 metal eyelets spaced vertically apart. It shall be located on the left breast approximately 8 ½” down from the shoulder seam and approximately 5” in from the front jacket edge. The name tab shall be constructed of the outer fabric and shall finish 5/8” tall and 2 ½” wide. It shall be located and sewn on the right jacket front 4” from the front edge and 8 ¼” on the center from the shoulder seam. All edges of the tab shall be folded under and topstitched. The tab shall be stitched to the jacket on all four sides.
- *-A **Patch:** A U. S. Fish & Wildlife shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 1 ½” below the shoulder seam. The patch shall be to be sewn using inconspicuous stitching using brown thread closely matching the emblem background border color.
- *-B,C **Patch:** An arrowhead patch shall be sewn securely in the center of the left sleeve with the top edge 1 ¾” to 2” below the shoulder seam depending on the garment size. The patch shall be sewn with inconspicuous stitching using brown thread closely matching the emblem background color.

Sizes and Measurements

Finished Dimensions

Sizes	Short:	XXS-L
	Regular:	XXS-XXXL
	Long:	S-XXL
	Xlong:	M-XXL

ATTACHMENT C

F321 Jacket, Male, Brown Ecospun Fleece

Specifications are identical for the following other components:

N324 Jacket, Male, Green Ecospun Fleece

N331 Jacket, Female, Green Ecospun Fleece

Sample Size: All dimensions are based on Male size L, Female size M and Male size L

GENERAL DESCRIPTION

Fleece jacket top with two front, zippered pockets.

TYPE ITEMS: * --Male and Female Type I—Male/Unisex Type II—Female

CLASSIFICATION	NPS # (M/F)	FWS # (M/F)
* All Jackets	*	*
A Unisex Brown		F321
B Green	N324/N331	

SALIENT CHARACTERISTICS

Components

Type-Class

I-A Basic Material: The material shall be ecospun fleece made from 100% recycled plastic. Brown.

***-B Basic Material:** The material shall be ecospun fleece made from 100% recycled plastic. Forest Green.

*** Thread:** All thread shall be minimum size 60/36.

I-A Zipper: The front zipper shall be YKK Vislon or equal plastic scoop type, size 5. The zipper shall be 25" long with 5/8" tapes. The zipper shall have a single slider with a long pull-tab.

The front pocket zippers shall be YKK Coil Interlocking teeth, size 5 or equal. The zippers shall be 7" long with 5/8" tapes, single long pull sliders closing pull down.

II-B Zipper: The front zipper shall be a YKK Vislon or equal plastic scoop type, size 5. The zipper shall be 23" long with 5/8" tapes. The zipper shall have a single slider with a long pull tab.

The front pocket zippers shall be YKK Coil, size 5 or equal. The zippers shall be 7" long with 5/8" tapes, single long pull sliders closing pull down.

*** Labels:** See general reference and requirements sheet.

General Instructions

*** Stitching:** All joining seams shall be sewn with a mock safety stitch.

ATTACHMENT C

Detail Design Characteristics

- I-A, B Front:** The fronts shall have one way zipper closure from the top of the collar to the bottom edge. The front zipper shall be 25" long. Half chest shall be 26" wide.
- The front raw edges shall be serged to the zipper tape. The slider shall finish on the right front. The bottom ends of the zipper tapes shall be topstitched ¼" gauge.
- II-B Front:** The fronts shall have one way zipper closure from the top of the collar to the bottom edge. The front zipper shall be 23" long. Half chest shall be 22 ½" wide.
- The front raw edges shall be serged to the zipper tape. The slider shall finish on the right front. The bottom ends of the zipper tapes shall be topstitched ¼" gauge.
- * Back:** The back shall be 1 piece raglan style.
- * Collar:** The collar shall be 3 ½" high at the fronts and 3" high at center back. The collar front edges shall align with the jacket fronts. The collar shall be lined with same fabric with neck edge bound and top edge stitched ¼" gauge.
- I-* Pockets:** The front slash zipper pockets shall have 7" openings. The bottom of the opening shall be 2 1/8" from the side seam. The top of the opening shall be 4" from the side seam. The slash opening shall be folded back and stitched to the zipper tapes with 1/8" topstitching. Pocket layers shall consist of one layer of fleece and one layer of nylon.
- II-* Pockets:** The front slash zipper pockets shall have 7" openings. The bottom of the opening shall be 2 ¼" from the side seam. The top of the opening shall be 3 ¾" from the side seam. The slash opening shall be folded back and stitched to the zipper tapes with 1/8" topstitching. Pocket layers shall consist of one layer of fleece and one layer of nylon.
- * Sleeves:** The sleeves shall be one piece, raglan style construction. The bottom of the sleeves shall be finished with a flared knit cuff 3" wide. The sleeves are lined with nylon lining.
- * Bottoms:** The jacket bottom shall be finished with a knit waistband with front tabs 4" long.
- I-B Badge Reinforcement:** Badge and name tabs shall consist of heat set on tape placed on the inside of the jacket. The tape shall be placed so that the top of the badge shall be 4" down from the shoulder seam and the center of the badge shall be 4 ¼" from the front zipper on the left front. The tape shall be placed so that the nametag shall be 4 ½" down from the shoulder seam, and the center of the name tag shall be 4 ¼" from front zipper on right front.
- II-B Badge Reinforcement:** Badge and name tabs shall consist of heat set on tape placed on the inside of the jacket. The tape shall be placed so that the top of the badge shall be 3 ½" down from the shoulder seam and the center of the badge shall be 4 ½" from the front zipper on the left front. The tape shall be placed so that the nametag shall be 5" down from the shoulder seam, and the center of the nametag shall be 3 ¾" from front zipper on right front.
- I-A Patch:** The large U.S. Fish & Wildlife Service patch shall be sewn securely in the center of the left sleeve with the top edge 7 ¼" below the neck seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.
- *-B Patch:** An arrowhead shoulder patch shall be sewn on left sleeve 7 ¼" down from neck seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.

ATTACHMENT C

Sizes and Measurements

I-A Sizes: Short: XS-L
Regular: S-XXXXL
Long: M-XXL

I-B Sizes: Short: XS-L
Regular: S-XXXXL
Long: M-XXXXL

II-B Sizes: Regular: S-XXL

ATTACHMENT C

F329 Jacket, Navy Blue Nylon Lined Windbreaker, Volunteer

Sample Size: All dimensions are based on Male size L

GENERAL DESCRIPTION

Hip length snap front windbreaker with inside drawstring, two slash pockets with storm welts, shirred elastic cuffs, double needle seams, rust proof flap front. Water repellent. Navy Blue.

TYPE ITEMS: * --Male and Female

CLASSIFICATION

* **All Jackets**

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The shell shall be 100% nylon single ply tafetta. The lining shall be 100% pre-shrunk cotton flannel
- * **Linings:** Lining: 100% pre-shrunk cotton flannel
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** Double needle seams

Detail Design Characteristics

- * **Front:** Rust proof flap front
- * **Pockets:** Two slash pockets with storm welts.
- * **Cuffs:** Shirred elastic cuffs

Sizes and Measurements

Finished Dimensions

Sizes: XS-XXXL

ATTACHMENT C

F336 Jeans, Male, Brown 12 Oz. Cotton Denim

Specifications are identical for the following other components:

C337 Jeans, Male, Forest Green 10 Oz. 50/50 P/C Twill
N338 Jeans, Male, Forest Green 10 Oz. 50/50 P/C Twill
F339 Jeans, Female, Brown 12 Oz. Cotton Denim
C340 Jeans, Female, Forest Green 10 Oz. 50/50 P/C Twill
N341 Jeans, Female, Forest Green 10 Oz. 50/50 P/C Twill

Sample Size: All dimensions based on Male size-34R, and Female size-10R

GENERAL DESCRIPTION

Western style back yoke, relaxed fit, straight leg jean.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION		FWS # (M/F)	COE & NPS # (M/F)
*	All Jeans	*	*
A	12 Oz. Cotton Denim	F 336/339	
B	10 Oz. 50/50 P/C Twill		C337/C340 N338/N341

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Graniteville Super Natural Denim 66920/10, NSS soft touch, Brown, Pre-cured, 63" cutable, 12 oz./sq. yd. 100% cotton. (Fabric must be spread in one direction.)
- *-B **Basic Material:** The material shall be Ferdinand Twill, 10 oz., 50% Dacron Polyester/50% Cotton, Permanent Press, Forest Green.
- *-A **Pocket Fabric:** Polytwill (pre-cured), black, weight: 2.60 yds/lb. Thread count is 72 warp x 48 weft.
- *-B **Pocket Fabric:** 65% polyester, 35% cotton, Black, 260 wt. minimum thread count 68 x 54.
- * **Thread:** The thread for all sewing operations shall be 100% polyester wrapped polyester core, size TEX 40.
- *-A **Zippers:** The trousers shall have a 45mm brass zipper chain. The zipper has a ratcheting cam lock slider. The right zipper tape shall be serged to the right fly. Both zipper tapes shall be sewn to the flies with a double needle lockstitch. The fly outline shall be a double needle lockstitch. The fly is bartacked at the bottom of the fly. A second bartack is located approximately 3/4" above the first bartack and is centered across the double needle stitching.
- *-B **Zippers:** Shall be brass with bottom stop wire and memory lock. Zipper tape color shall be dark green and serged to right fly. Fly shall be bartacked at crotch and at fly outline. A tape to be sewn to fly's with two rows of lockstitch (301).
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT C

General Instructions

- * **Stitching:** Double needle topstitching (1/4" gauge) shall be used on hip pockets, belt loops, front pocket openings, left and right fly. The seat, back yoke and inseams are full felled seams. The side seam shall be safety stitched and pressed toward the back of the jeans. All seams shall be stitched 8 to 10 stitches per inch.

Detail Design Characteristics

- I-A** **Waistband:** The waistband is of single piece construction and shall be folder set with a single needle chainstitch. All edges of the waistband shall be topstitched 1/8". The finished waistband shall be 1 5/8 inches wide and shall close with a 27-ligne rivet button and buttonhole.
- II-A** **Waistband:** The waistband shall be single piece construction and shall be folder set with a double needle chain stitch. All edges of the waistband shall be topstitched 1/8". The finished waistband shall be 1 5/8 inches wide and shall close with a 27-ligne rivet button and buttonhole.
- *-B** **Waistband:** Folderset with rivet button and buttonhole at band and closing waistband stitching shall be lockset.
- I-A,B** **Belt Loops:** Belt loops shall be 1/2" wide ladder stitch loops and shall finish 2 1/2" long. There shall be 5 belt loops on sizes 29 and down, 7 loops on sizes 30-48, and 9 loops on sizes 50 and up. The belt loops shall be bartacked even with the top of the band, and dropped and tacked 3/4" below the band. There shall be a 2" minimum opening. Loops on opposite sides of same garment shall match within width of a loop.
- II-A,B** **Belt Loops:** Belt loops shall be 1/2" wide ladder stitch loops and shall finish 2 1/2" long. There shall be 5 belt loops on sizes 12 and down, 7 loops on sizes 14 and up. The belt loops shall be bartacked even with the top of the band, and dropped and tacked 3/4" below the band. There shall be a 2" minimum opening. Loops on opposite sides of same garment shall match within width of a loop.
- I-A,B** **Front Pockets:** The front pockets shall be scoop style with a 3/8" folder hem. The pocket opening shall be bartacked at the waist and at the side seam. The opening between the bartacks is 5 3/4". The pocket bag is 9" deep from the bottom of the waistband to the bottom of the pocket bag. The pocket bags shall be safety stitched and turned.
- II-A,B** **Front Pockets:** The front pockets shall be scoop style with a 3/8" folder hem. The pocket opening shall be bartacked at the waist and at the side seam. The opening between the bartacks is 5 1/4". The pocket bag is 10 1/2" deep from the bottom of the waistband to the bottom of the pocket bag. The pocket bags shall be safety stitched and turned.
- I-A,B** **Hip Pockets:** The two spade shaped back pockets shall be 6" wide, 5 3/4" at the sides and 6 1/2" long at the center. The upper hem is a 1/2" folder hem, double needle chain stitched. The pockets are attached with a double needle lockstitch. The upper corners of the pockets have horizontal bartacks.

ATTACHMENT C

II-A,B **Hip Pockets:** The two spade shaped back pockets shall be 5" wide, 4 ¼" at the sides and 5 ¼" long at the center for sizes 6 and down. Back pockets on sizes 8 and up shall be 6" wide, 5¼" at the sides and 6¼" long at the center. The upper hem is a 1/2" folder hem, double needle chain stitched. The pockets are attached with a double needle lockstitch. The upper corners of the pockets have horizontal bartacks.

* **Bottoms:** Turn up the lower edge 1/2", fold over 1/2" and stitch with a single needle lockstitch, 1/2" gauge.

Sizes and Measurements

Finished Dimensions

I-* **Sizes:** Regular: 28-38 all increments and 40-60 in even increments only.
Long: 28 - 50 in even increments only.

II-* **Sizes:** Regular: 2-30 in even increments only
Tall: 4-24 in even increments only

ATTACHMENT C

F339 Jeans, Female, Brown 12 Oz. Cotton Denim

Specifications are identical for the following other components:

F336 Jeans, Male, Brown 12 Oz. Cotton Denim

C337 Jeans, Male, Forest Green 10 Oz. 50/50 P/C Twill

N338 Jeans, Male, Forest Green 10 Oz. 50/50 P/C Twill

C340 Jeans, Female, Forest Green 10 Oz. 50/50 P/C Twill

N341 Jeans, Female, Forest Green 10 Oz. 50/50 P/C Twill

Sample Size: All dimensions based on Male size-34R, and Female size-10R

GENERAL DESCRIPTION

Western style back yoke, relaxed fit, straight leg jean.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION	FWS # (M/F)	COE & NPS # (M/F)
* All Jeans	*	*
A 12 Oz. Cotton Denim	F 336/339	
B 10 Oz. 50/50 P/C Twill		C337/C340 N338/N341

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be Graniteville Super Natural Denim 66920/10, NSS soft touch, Brown, Pre-cured, 63" cutable, 12 oz./sq. yd. 100% cotton. (Fabric must be spread in one direction.)
- *-B **Basic Material:** The material shall be Ferdinand Twill, 10 oz., 50% Dacron Polyester/50% Cotton, Permanent Press, Forest Green.
- *-A **Pocket Fabric:** Polytwill (pre-cured), black, weight: 2.60 yds/lb. Thread count is 72 warp x 48 weft.
- *-B **Pocket Fabric:** 65% polyester, 35% cotton, Black, 260 wt. minimum thread count 68 x 54.
- * **Thread:** The thread for all sewing operations shall be 100% polyester wrapped polyester core, size TEX 40.
- *-A **Zippers:** The trousers shall have a 45mm brass zipper chain. The zipper has a ratcheting cam lock slider. The right zipper tape shall be serged to the right fly. Both zipper tapes shall be sewn to the flies with a double needle lockstitch. The fly outline shall be a double needle lockstitch. The fly is bartacked at the bottom of the fly. A second bartack is located approximately 3/4" above the first bartack and is centered across the double needle stitching.
- *-B **Zippers:** Shall be brass with bottom stop wire and memory lock. Zipper tape color shall be dark green and serged to right fly. Fly shall be bartacked at crotch and at fly outline. A tape to be sewn to fly's with two rows of lockstitch (301).
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT C

General Instructions

- * **Stitching:** Double needle topstitching (1/4" gauge) shall be used on hip pockets, belt loops, front pocket openings, left and right fly. The seat, back yoke and inseams are full felled seams. The side seam shall be safety stitched and pressed toward the back of the jeans. All seams shall be stitched 8 to 10 stitches per inch.

Detail Design Characteristics

- I-A** **Waistband:** The waistband is of single piece construction and shall be folder set with a single needle chainstitch. All edges of the waistband shall be topstitched 1/8". The finished waistband shall be 1 5/8 inches wide and shall close with a 27-ligne rivet button and buttonhole.
- II-A** **Waistband:** The waistband shall be single piece construction and shall be folder set with a double needle chain stitch. All edges of the waistband shall be topstitched 1/8". The finished waistband shall be 1 5/8 inches wide and shall close with a 27-ligne rivet button and buttonhole.
- *-B** **Waistband:** Folderset with rivet button and buttonhole at band and closing waistband stitching shall be lockset.
- I-A,B** **Belt Loops:** Belt loops shall be 1/2" wide ladder stitch loops and shall finish 2 1/2" long. There shall be 5 belt loops on sizes 29 and down, 7 loops on sizes 30-48, and 9 loops on sizes 50 and up. The belt loops shall be bartacked even with the top of the band, and dropped and tacked 3/4" below the band. There shall be a 2" minimum opening. Loops on opposite sides of same garment shall match within width of a loop.
- II-A,B** **Belt Loops:** Belt loops shall be 1/2" wide ladder stitch loops and shall finish 2 1/2" long. There shall be 5 belt loops on sizes 12 and down, 7 loops on sizes 14 and up. The belt loops shall be bartacked even with the top of the band, and dropped and tacked 3/4" below the band. There shall be a 2" minimum opening. Loops on opposite sides of same garment shall match within width of a loop.
- I-A,B** **Front Pockets:** The front pockets shall be scoop style with a 3/8" folder hem. The pocket opening shall be bartacked at the waist and at the side seam. The opening between the bartacks is 5 3/4". The pocket bag is 9" deep from the bottom of the waistband to the bottom of the pocket bag. The pocket bags shall be safety stitched and turned.
- II-A,B** **Front Pockets:** The front pockets shall be scoop style with a 3/8" folder hem. The pocket opening shall be bartacked at the waist and at the side seam. The opening between the bartacks is 5 1/4". The pocket bag is 10 1/2" deep from the bottom of the waistband to the bottom of the pocket bag. The pocket bags shall be safety stitched and turned.
- I-A,B** **Hip Pockets:** The two spade shaped back pockets shall be 6" wide, 5 3/4" at the sides and 6 1/2" long at the center. The upper hem is a 1/2" folder hem, double needle chain stitched. The pockets are attached with a double needle lockstitch. The upper corners of the pockets have horizontal bartacks.

ATTACHMENT C

II-A,B **Hip Pockets:** The two spade shaped back pockets shall be 5" wide, 4 ¼" at the sides and 5 ¼" long at the center for sizes 6 and down. Back pockets on sizes 8 and up shall be 6" wide, 5¼" at the sides and 6¼" long at the center. The upper hem is a 1/2" folder hem, double needle chain stitched. The pockets are attached with a double needle lockstitch. The upper corners of the pockets have horizontal bartacks.

* **Bottoms:** Turn up the lower edge 1/2", fold over 1/2" and stitch with a single needle lockstitch, 1/2" gauge.

Sizes and Measurements

Finished Dimensions

I-* **Sizes:** Regular: 28-38 all increments and 40-60 in even increments only.
Long: 28 - 50 in even increments only.

II-* **Sizes:** Regular: 2-30 in even increments only
Tall: 4-24 in even increments only

ATTACHMENT C

F346 Keyholder

Sample Size: N/A

GENERAL DESCRIPTION

Leather key holder with hidden snap.

TYPE ITEMS: *--Male and Female

CLASSIFICATION

* All Key holders

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The leather shall be full grain, bark-tanned cowhide, with all surfaces dyed brown and basket stamped (rope design in middle of basket stamp) on the front surface of item.
- * **Label:** See general reference and requirements sheet.

General Instructions

- * **Construction:** The holder shall be a strap of 7 1/2 oz. leather 3/4" wide, folded at one end with a straight tongue snap placed in the fold and riveted in place by the use of an eyelet and stud snap. The strap is long enough to go around a 2 1/4" Sam Browne belt. The opposite end of strap has a hidden snap.
- * **Stitching:** All seams shall be stitched with 6-cord, waxed, black linen thread, or #27 7or #346 black nylon thread. All seams shall have a minimum of 5 stitches per inch.

Detail Design Characteristics

- * **Hidden Hardware:** All metal snaps shall be hidden to have a clean look. The socket snap is used with a 6 oz. piece of leather and sewn to back side of outer piece of leather that necessitates the snap.

Sizes and Measurements

Sizes: N/A.

ATTACHMENT C

F348 Liner, Gloves, Deerskin, Removable

Specifications are identical for the following other item:

N627 Liner, Gloves, Deerskin, Removable

Sample Size: All dimensions based on size L

GENERAL DESCRIPTION

Removable liner to fit inside deerskin gloves.

TYPE ITEMS: *--Male and Female

CLASSIFICATION

* **All Gloves**

SALIENT CHARACTERISTICS

Components

* **Basic Material:** The material shall be 80% wool / 20% nylon, light brown.

* **Label:** See general reference and requirements sheet.

General Instructions

* **Construction:** Fine rib knit with a wide rib knit cuff. The cut end shall be serged, folded down to the inside 3 1/2" to form the cuff. It shall be 11-3/4" long from end of glove to end of middle finger and 3 1/4" wide.

ATTACHMENT C

F365 Name Disk

Sample Size: N/A

GENERAL DESCRIPTION

U. S. Fish and Wildlife Service Name Disk

TYPE ITEMS:

CLASSIFICATION

Die to be provided by the U.S. Fish and Wildlife Service.

ATTACHMENT C

F366 Name Pin, Metal with Emblem

Sample Size: No Size

GENERAL DESCRIPTION

Metal name bar.

TYPE ITEMS:

CLASSIFICATION

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be all metal, die struck namepin. Brass, 050 x 3/4" x 3". Fastener consists of 2 pinnettes 5/16" in length (electron fused) on back surface, 1 7/8" apart. Two #56 grippers furnished. Finish gold electroplate, polished edging of 1/16" with satin sandblast center. U.S. Fish and Wildlife Service Logo in full color, encapsulated in clear epoxy bubble. Engraved individual name and color filled black.
- * **Label:** See general reference and requirements sheet.

General Instructions

Detail Design Characteristics

- * **Logo:** Logo shall be printed in colors to match as close as possible to the official U.S. Fish and Wildlife Service shoulder patch.

ATTACHMENT C

F367 Name Plate

Specifications are identified for the following other component:

Sample Size: One Size

GENERAL DESCRIPTION

Metal, engraved uniform name plate with fastening pins for attachment to uniform.

TYPE ITEMS:

CLASSIFICATION

* All Name Plates

SALIENT CHARACTERISTICS

Components

* **Basic Material:** The material shall be Brass alloy #342 - 65% copper, 2% lead and 33% zinc.

General Instructions

- * **Metal Finishing:** Blanks shall be tumble deburred, smooth along all edges and corners. Front surfaces shall be grease buffed and polished to a high luster.
- * **Plating and Coating:** Electriplate gold hamilton shading; spray and bake on two coatings of clear epoxy baking lacquer.

Detail Design Characteristics

- * **Engraving:** Engraving shall be done in pantograph plain gothic medium extended letters, 7/23" height, .020 line width, .015 depth. First and last name shall be engraved.
- * **Letter Filling:** Brown, PMS 463 air dry duco enamel, coloring in lettering.
- * **Attaching Device:** The pin shall be 5/1", triple gooved adjustable lock type, electron fused. The two grippers shall be #200 ballou clutch type grippers or equal.

ATTACHMENT C

F368 Name Tag, 8.0 Oz. Tan Cloth

Sample Size: One size.

GENERAL DESCRIPTION

Cloth nametag, 1" wide by 4" long, for use on Class B/C uniform shirts by maintenance personnel. Sewn centered, 1/4" over right breast pocket on both Male and Female Class B/C, long and short sleeve shirts.

TYPE ITEMS: *--Male and Female

CLASSIFICATION

* All Name Tags

SALIENT CHARACTERISTICS

Components

* **Basic Material:** The material shall be Graniteville #351 Chetopa IV, 8 ounce per square yard weight, tan in color.

General Instructions

* **Backing Material:** The material shall be heat bonded with 8 mil polyurethane to prevent shrinkage or shape distortion.

Detail Design Characteristics

* **Border:** Each name tag shall be finished with a merrowed border in a density of 24 to 28 stitches per inch. Border thread shall be 1200 denier, two or three rayon with a 100% cotton mercerized three cord. Bottom thread shall be .007 mil nylon. All border threads and lettering to be Fish and Wildlife Dark Brown. Merrow end shall be clipped and glued to emblem backing.

* **Name:** Each name shall be embroidered with Fish and Wildlife Service Dark Brown, Clark Trusew polyester #V 15, using first initial and last name in upper case block lettering with a height of 40 and a density of 99. The quality of lettering shall be equal to or greater than that provided by an Ultramatic computerized embroidery machine.

Sizes and Measurements

Sizes: N/A

ATTACHMENT C

F371 Case, Officer Credentials

Sample Size: One size.

GENERAL DESCRIPTION

Wallet type folding leather credential case with two plastic identification display windows in interior. Cut-out in front of outside panel to allow display of badge.

TYPE ITEMS: *--Male and Female

CLASSIFICATION

* All Items

SALIENT CHARACTERISTICS

Components

Type-Class

* **Basic Material:** The material shall be chocolate brown leather with dark brown acetate lining and plastic ID windows.

General Instructions

* **Cutting:** A silhouette of the badge is cutout of the front outside leather of the case to permit display of the badge. The cutout is approximately 2 5/8" by 1 7/8" at the widest points.

* **Stitching:** Two plastic windows are sown into the inside of the case finishing 2 5/8" by 4 1/2" each with a 7/8" space in the center between to allow folding the case. A 3 5/16" by 2 3/16" fiberboard backing with two slots cutout is provided for mounting the badge.

Detail Design Characteristics

* **Pockets:** A separate pocket shall be located between the front plastic window and the outside of the case for storage of the backing with badge attached.

Sizes and Measurements

Sizes: N/A.

ATTACHMENT C

F376 Overshell, Male, Brown Gore-Tex, Hip Length

Specifications are identical for the following other components:

C377 Overshell, Male, Green Gore-Tex, Hip Length

F380 Overshell, Female, Brown Gore-Tex, Hip Length

C381 Overshell, Female, Green Gore-Tex, Hip Length

Sample Size: All dimensions are based on F376 - ML Regular, C377 - L, F380 - S, C381 - M

GENERAL DESCRIPTION

The garment is a hip length Gore Tex overshell with a front storm flap, a two-way zipper, and snap closures. The overshell has an adjustable waist cord, zippered side vents, two outside hand pockets and two inside pockets. The overshell is fully lined and uninsulated. North Face "Park Peak" or Raven or equal.

TYPE ITEMS: *--All Garments Type I—Male Type II—Female

CLASSIFICATION		FWS # (M/F)		COE # (M/F)
*	All Overshells	*		*
A	Brown	F376	FWS-BC-71	
A	Brown	F380	FWS-BC-74	
B	Green			C377 COE-BCM-54
B	Green			C381 COE-BCF-55

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be 100% Taslan Nylon bonded to Gore-Tex film, dark brown.
- *-B **Basic Material:** The material shall be 100% Taslan Nylon Gore Tex, 2-ply--Forest Green.
- * **Linings:** The Overshell shall be fully lined.
- * **Thread:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, 1/4" gauge. All closing seams shall be hot air sealed with Gore-Tex sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.
- * **Snap:** The snaps shall be 24 line with a matching outer shell color enamel finish.
- I-* **Zippers:** The front zipper shall be a Vislon plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 3/4" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab, single pull sliders. The tape shall be 5/8" wide.
- II-* **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 3/4" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab, single pull sliders. The tape shall be 5/8" wide. The side vent zippers shall be 8" long Vislon plastic scoop type, size 5 or equal.
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT C

General Instructions

- * **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, ¼" gauge. All closing seams shall be hot air sealed with Gore-Tex sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.

Detail Design Characteristics

- I-* **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 3/8" wide and 3 3/8" wide at center back. Collar top shall be edge stitched ¼" gauge and shall be 24" across the top. Four Male snaps shall be located 1" up from the collar seam with two located 2 ¼" and two located 6 7/8" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 17 ½" wide. The knitted collar shall be 1 ¾" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 2" long shall be sewn into the inside collar seam at center back.
- II-* **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 7/8" wide and 3" wide at center back. Collar top shall be edge stitched ¼" gauge and shall be 21" across the top. Four Male snaps shall be located 1" up from the collar seam with two located 1 ¾" and two located 6" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 16 ½" wide. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 2" long shall be sewn into the inside collar seam at center back.
- I-* **Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2 ½" of the bottom edge. The front length shall be a minimum of 32 5/8" long. The front zipper shall be 29 ¼" long. The under (right) flap shall be 7/8" wide and 32 1/4" long and shall be sewn between the lining and the right zipper tape and shell fabric on the right front. The outer (left) flap shall be 2" wide and 32 ½" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched ¼" gauge. Seven Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 3/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 5/8" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 26" wide.
- II-* **Front:** The front shall have a two-way zippered closure from ½" below the top of the collar to within 2 ½" of the bottom edge. The front length shall be a minimum of 30" long. The front zipper shall be 28 ½" long. The under (left) flap shall be 1 1/8" wide and 30" long and shall be sewn between the lining and the left zipper tape and shell fabric on the left front. The outer (right) flap shall be 2 1/8" wide and 30" long and shall be sewn between the outer shell and the right zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched ¼" gauge. Seven Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 ½" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 ¾" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 23" wide.

ATTACHMENT C

- * Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall be formed by sewing a strip of fabric to the backside of the front and back outer shell panels. Top and bottom edges shall be turned under and topstitched 1/8" gauge. The tunnel shall finish 1" wide and run the circumference of the parka beginning and ending at front zipper tape/weather flap seams. A 3/16" diameter chrome plated black eyelet shall be located in the lining fabric within 2" of each front edge of the liner/weather flap seam. A 1/8" diameter nylon covered elastic cord shall enter through the tunnel and exit through the eyelets. The cord shall be 3" longer than each eyelet when in a fully relax state. The cord shall be knotted 1" from each end and shall have an 7/32" diameter Barreloc attached to each end close to each eyelet.
- I-* Side Vents:** The side vents shall be 11 1/2" long and shall be closed with a centered, in-seam 10" zipper. The edges of the vent shall meet and shall be edge stitched, 7/16" gauge. A 1 5/8" wide storm flap shall be sewn into the shell/lining seam with the front zipper tape. The storm flap and lining shall be constructed from shell fabric and shall be interlined with a compatible interlining fabric. The rear edge of the storm flap shall be edge stitched 1/4" gauge. A Male snap shall be fastened to the bottom rear corner of the storm flap, 1/2" from each edge. The rear zipper tape shall be caught between the shell and lining of the front edge of the back panel. A Female snap shall be fastened in the bottom front corners of the back panel 5/8" from each edge.
- II-* Side Vents:** The side vents shall be 11" long and shall be closed with a centered, in-seam 10" zipper. The edges of the vent shall meet and shall be edge stitched, 7/16" gauge. A 1 5/8" wide storm flap shall be sewn into the shell/lining seam with the front zipper tape. The storm flap and lining shall be constructed from shell fabric and shall be interlined with a compatible interlining fabric. The rear edge of the storm flap shall be edge stitched 3/16" gauge. A Male snap shall be fastened to the bottom rear corner of the storm flap, 1/2" from each edge. The rear zipper tape shall be caught between the shell and lining of the front edge of the back panel. A Female snap shall be fastened in the bottom front corners of the back panel 5/8" from each edge.
- I-* Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/32 topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 1 3/4" long with two eyelets centered, 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 5 7/8" from the left front edge and the top edge 4 1/4" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, 2 1/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 1/8" below the front shoulder seam.
- II-* Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/32 topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 1 3/4" long with two eyelets centered, 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 4 1/4" from the left front edge and the top edge 3" below the front shoulder seam. The name tab shall be 4 1/4" long with two eyelets centered, 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 3/4" from the front zipper tape and the top edge 5" below the front shoulder seam.
- I-* Slash Pocket:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3 1/2" above the bottom front hem and 2 3/8" from the side seam. The top of the pocket opening shall be 10 1/2" from the bottom hem and 3" from the side seam. The opening shall be 7" long. The welt shall be 7" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 7" deep at center.

ATTACHMENT C

- II-*** **Slash Pocket:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 2 7/8" above the bottom front hem and 2 1/2" from the side seam. The top of the pocket opening shall be 9" from the bottom hem and 3 1/2" from the side seam. The opening shall be 6 3/4" long. The welt shall be 7 1/8" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 7" deep at center.
- I-*** **Patch Pocket:** A zippered patch pocket shall be located under the left front. The pocket shall be 7 3/4" wide by 7 1/2" deep with a 5 5/8" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 1/2" below top edge of pocket. Opening in lining shall be 6" long and 3/4" wide with inside edges turned under and topstitched 1/8" gauge. Top of pocket shall be level with bottom of armhole.
- A hook and pile closed patch pocket shall be 8" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish 3/4" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.
- II-*** **Patch Pocket:** A zippered patch pocket shall be located under the left front. The pocket shall be 7 1/4" wide by 7 1/8" deep with a 5 1/2" opening. The pocket shall be made from lining fabric. The zipper shall be centered 2" below top edge of pocket. Opening in lining shall be 6" long and 3/4" wide with inside edges turned under and topstitched 1/8" gauge. Top of pocket shall be level with bottom of armhole.
- A hook and pile closed patch pocket shall be 6" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish 3/4" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.
- I-*** **Back:** The back shall be plain and shall be 32 1/4" long at center back from collar seam to bottom edge.
- II-*** **Back:** The back shall be plain and shall be 29 1/4" long at center back from collar seam to bottom edge.
- I-*** **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6 1/4" wide at the collar seam and shall be 32 1/2" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish 3/4" wide. A 5 1/4" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2 1/8" from the closing seam and 1/8" up from the sleeve bottom. A 4 1/4" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 2" wide at the closing seam and 1 1/4" wide at the end with the diagonal edge up and the straight edge at the bottom in alignment with the bottom edge of the sleeve. A 2" by 5/8" piece of hook tape shall be sewn to the inside of the tape 1/8" from the bottom edge and 1/8" from the tab end. The tab shall be one piece construction from shell fabric and shall be edge stitched 1/4" gauge.
- II-*** **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 5 1/4" wide at the collar seam and shall be 30 1/4" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish 5/8" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and 1/4" up from the sleeve bottom. A 4 1/4" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 2" wide at the closing seam and 1 1/4" wide at the end with the diagonal edge up and the straight edge at the bottom in alignment with the bottom edge of the sleeve. A 2" by 5/8" piece of hook tape shall be sewn to the inside of the tape 1/8" from the bottom edge and 1/4" from the tab end. The tab shall be one piece construction from shell fabric and shall be edge stitched 1/4" gauge.
- *** **Hangerloop:** A 3/8" wide black nylon tape hanger loop 2" long shall be sewn into the inside collar seam at center back.

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- I-*** **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/16" gauge. The hem shall be 3/4" wide.
- II-*** **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be 1" wide.
- I-*** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 7" below the collar seam. (raglan sleeves) The patch shall be sewn with inconspicuous stitching using thread to match the emblem border color.
- II-*** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 7 1/4" below the collar seam. (raglan sleeves) The patch shall be sewn with inconspicuous stitching using thread to match the emblem border color.

Sizes and Measurements

Finished Dimensions

Sizes: Men: Regular S-XXL Long S-XL
 Female: Regular XS-XL

ATTACHMENT C

F380 Overshell, Female, Brown Gore-Tex, Hip Length

Specifications are identical for the following other components:

F376 Overshell, Male, Brown Gore-Tex, Hip Length

C377 Overshell, Male, Green Gore-Tex, Hip Length

C381 Overshell, Female, Green Gore-Tex, Hip Length

Sample Size: All dimensions are based on F376 - ML Regular, C377 - L, F380 - S, C381 - M

GENERAL DESCRIPTION

The garment is a hip length Gore Tex overshell with a front storm flap, a two-way zipper, and snap closures. The overshell has an adjustable waist cord, zippered side vents, two outside hand pockets and two inside pockets. The overshell is fully lined and uninsulated. North Face "Park Peak" or Raven or equal.

TYPE ITEMS: *--All Garments Type I—Male Type II—Female

CLASSIFICATION	FWS # (M/F)	COE # (M/F)
* All Overshells	*	*
A Brown	F376 FWS-BC-71	
A Brown	F380 FWS-BC-74	
B Green		C377 COE-BCM-54
B Green		C381 COE-BCF-55

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be 100% Taslan Nylon bonded to Gore-Tex film, dark brown.
- *-B **Basic Material:** The material shall be 100% Taslan Nylon Gore Tex, 2-ply--Forest Green.
- * **Linings:** The Overshell shall be fully lined.
- * **Thread:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, 1/4" gauge. All closing seams shall be hot air sealed with Gore-Tex sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.
- * **Snap:** The snaps shall be 24 line with a matching outer shell color enamel finish.
- I-* **Zippers:** The front zipper shall be a Vislon plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 3/4" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab, single pull sliders. The tape shall be 5/8" wide.
- II-* **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be 3/4" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab, single pull sliders. The tape shall be 5/8" wide. The side vent zippers shall be 8" long Vislon plastic scoop type, size 5 or equal.
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT C

General Instructions

- * **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, ¼" gauge. All closing seams shall be hot air sealed with Gore-Tex sealing tape on the inside of the parka shell. Sealed seams and stitching shall show no leakage.

Detail Design Characteristics

- I-* **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 3/8" wide and 3 3/8" wide at center back. Collar top shall be edge stitched ¼" gauge and shall be 24" across the top. Four Male snaps shall be located 1" up from the collar seam with two located 2 ¼" and two located 6 7/8" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 17 ½" wide. The knitted collar shall be 1 ¾" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 2" long shall be sewn into the inside collar seam at center back.
- II-* **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with a compatible nonwoven fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 7/8" wide and 3" wide at center back. Collar top shall be edge stitched ¼" gauge and shall be 21" across the top. Four Male snaps shall be located 1" up from the collar seam with two located 1 ¾" and two located 6" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 16 ½" wide. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 2" long shall be sewn into the inside collar seam at center back.
- I-* **Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2 ½" of the bottom edge. The front length shall be a minimum of 32 5/8" long. The front zipper shall be 29 ¼" long. The under (right) flap shall be 7/8" wide and 32 1/4" long and shall be sewn between the lining and the right zipper tape and shell fabric on the right front. The outer (left) flap shall be 2" wide and 32 ½" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched ¼" gauge. Seven Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 3/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 5/8" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 26" wide.
- II-* **Front:** The front shall have a two-way zippered closure from ½" below the top of the collar to within 2 ½" of the bottom edge. The front length shall be a minimum of 30" long. The front zipper shall be 28 ½" long. The under (left) flap shall be 1 1/8" wide and 30" long and shall be sewn between the lining and the left zipper tape and shell fabric on the left front. The outer (right) flap shall be 2 1/8" wide and 30" long and shall be sewn between the outer shell and the right zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched ¼" gauge. Seven Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 ½" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 ¾" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 23" wide.

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- * Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall be formed by sewing a strip of fabric to the backside of the front and back outer shell panels. Top and bottom edges shall be turned under and topstitched 1/8" gauge. The tunnel shall finish 1" wide and run the circumference of the parka beginning and ending at front zipper tape/weather flap seams. A 3/16" diameter chrome plated black eyelet shall be located in the lining fabric within 2" of each front edge of the liner/weather flap seam. A 1/8" diameter nylon covered elastic cord shall enter through the tunnel and exit through the eyelets. The cord shall be 3" longer than each eyelet when in a fully relax state. The cord shall be knotted 1" from each end and shall have an 7/32" diameter Barreloc attached to each end close to each eyelet.
- I-* Side Vents:** The side vents shall be 11 1/2" long and shall be closed with a centered, in-seam 10" zipper. The edges of the vent shall meet and shall be edge stitched, 7/16" gauge. A 1 5/8" wide storm flap shall be sewn into the shell/lining seam with the front zipper tape. The storm flap and lining shall be constructed from shell fabric and shall be interlined with a compatible interlining fabric. The rear edge of the storm flap shall be edge stitched 1/4" gauge. A Male snap shall be fastened to the bottom rear corner of the storm flap, 1/2" from each edge. The rear zipper tape shall be caught between the shell and lining of the front edge of the back panel. A Female snap shall be fastened in the bottom front corners of the back panel 5/8" from each edge.
- II-* Side Vents:** The side vents shall be 11" long and shall be closed with a centered, in-seam 10" zipper. The edges of the vent shall meet and shall be edge stitched, 7/16" gauge. A 1 5/8" wide storm flap shall be sewn into the shell/lining seam with the front zipper tape. The storm flap and lining shall be constructed from shell fabric and shall be interlined with a compatible interlining fabric. The rear edge of the storm flap shall be edge stitched 3/16" gauge. A Male snap shall be fastened to the bottom rear corner of the storm flap, 1/2" from each edge. The rear zipper tape shall be caught between the shell and lining of the front edge of the back panel. A Female snap shall be fastened in the bottom front corners of the back panel 5/8" from each edge.
- I-* Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/32 topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 1 3/4" long with two eyelets centered, 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 5 7/8" from the left front edge and the top edge 4 1/4" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, 2 1/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 1/8" below the front shoulder seam.
- II-* Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/32 topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 1 3/4" long with two eyelets centered, 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 4 1/4" from the left front edge and the top edge 3" below the front shoulder seam. The name tab shall be 4 1/4" long with two eyelets centered, 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 3/4" from the front zipper tape and the top edge 5" below the front shoulder seam.
- I-* Slash Pocket:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3 1/2" above the bottom front hem and 2 3/8" from the side seam. The top of the pocket opening shall be 10 1/2" from the bottom hem and 3" from the side seam. The opening shall be 7" long. The welt shall be 7" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 7" deep at center.

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- II-*** **Slash Pocket:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 2 7/8" above the bottom front hem and 2 1/2" from the side seam. The top of the pocket opening shall be 9" from the bottom hem and 3 1/2" from the side seam. The opening shall be 6 3/4" long. The welt shall be 7 1/8" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 7" deep at center.
- I-*** **Patch Pocket:** A zippered patch pocket shall be located under the left front. The pocket shall be 7 3/4" wide by 7 1/2" deep with a 5 5/8" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 1/2" below top edge of pocket. Opening in lining shall be 6" long and 3/4" wide with inside edges turned under and topstitched 1/8" gauge. Top of pocket shall be level with bottom of armhole.
- A hook and pile closed patch pocket shall be 8" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish 3/4" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.
- II-*** **Patch Pocket:** A zippered patch pocket shall be located under the left front. The pocket shall be 7 1/4" wide by 7 1/8" deep with a 5 1/2" opening. The pocket shall be made from lining fabric. The zipper shall be centered 2" below top edge of pocket. Opening in lining shall be 6" long and 3/4" wide with inside edges turned under and topstitched 1/8" gauge. Top of pocket shall be level with bottom of armhole.
- A hook and pile closed patch pocket shall be 6" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish 3/4" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.
- I-*** **Back:** The back shall be plain and shall be 32 1/4" long at center back from collar seam to bottom edge.
- II-*** **Back:** The back shall be plain and shall be 29 1/4" long at center back from collar seam to bottom edge.
- I-*** **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6 1/4" wide at the collar seam and shall be 32 1/2" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish 3/4" wide. A 5 1/4" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2 1/8" from the closing seam and 1/8" up from the sleeve bottom. A 4 1/4" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 2" wide at the closing seam and 1 1/4" wide at the end with the diagonal edge up and the straight edge at the bottom in alignment with the bottom edge of the sleeve. A 2" by 5/8" piece of hook tape shall be sewn to the inside of the tape 1/8" from the bottom edge and 1/8" from the tab end. The tab shall be one piece construction from shell fabric and shall be edge stitched 1/4" gauge.
- II-*** **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 5 1/4" wide at the collar seam and shall be 30 1/4" long from collar seam to bottom edge. The sleeve shall be fully lined. The bottom edge of the shell fabric shall be turned up to the inside with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish 5/8" wide. A 5" by 5/8" wide piece of pile tape shall be sewn to the outside of the sleeve on the hem located 2" from the closing seam and 1/4" up from the sleeve bottom. A 4 1/4" long tab shall be sewn into the closing seam at the bottom of the sleeve. The tab shall be 2" wide at the closing seam and 1 1/4" wide at the end with the diagonal edge up and the straight edge at the bottom in alignment with the bottom edge of the sleeve. A 2" by 5/8" piece of hook tape shall be sewn to the inside of the tape 1/8" from the bottom edge and 1/4" from the tab end. The tab shall be one piece construction from shell fabric and shall be edge stitched 1/4" gauge.

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- *** **Hangerloop:** A 3/8" wide black nylon tape hanger loop 2" long shall be sewn into the inside collar seam at center back.
- I-*** **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/16" gauge. The hem shall be 3/4" wide.
- II-*** **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be 1" wide.
- I-*** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 7" below the collar seam. (raglan sleeves) The patch shall be sewn with inconspicuous stitching using thread to match the emblem border color.
- II-*** **Patch:** The organizations shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 7 1/4" below the collar seam. (raglan sleeves) The patch shall be sewn with inconspicuous stitching using thread to match the emblem border color.

Sizes and Measurements

Finished Dimensions

Sizes: Men: Regular S-XXL Long S-XL
 Female: Regular XS-XL

ATTACHMENT C

F384 Parka, Brown, Goose Down, Hip Length

Sample Size: All dimensions are based on size L

GENERAL DESCRIPTION

The hip length parka features a front storm flap with a 2-way zipper and snap closures. The parka has an adjustable waistcord, two outside hand pockets, two inside pockets, and a detachable hood. The insulated hood is of a three-piece construction with drawstring and snap front closures, attached to the parka with four snaps. The parka is fully lined and insulated with Goose Down.

TYPE ITEMS: *--All Parkas Type I—Male Type II—Female

CLASSIFICATION

* All Parkas

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The shell shall be Softas, 144 x 68, 70 denier, dyed flat with DWR. The insulation shall be 255 grams, 550-fil goose down. The hood insulation shall be 29 grams of goose down.
- * **Linings:** The parka shall be fully lined. The lining shall be sewn to the insulation with parallel rows of stitching spaced 6" apart.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Zippers:** The front zipper shall be a Vislon plastic scoop type size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be ¾" wide. The pocket zippers shall be 7" long with tab single pull sliders. The tape shall be 5/8" wide. The lining pocket zipper shall be 6" long with a tab single pull slider.
- * **Front:** The front shall have a 2-way zipper closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 32" long. The front zipper shall be 29" long. The under (right) flap shall be 1" wide and shall be sewn between the lining and zipper tape on the right front. The outer (left) flap shall be 2 1/8" wide and 32" long and shall be sewn between the outershell and left zipper tape and lining fabric. Both flaps shall be interlined with a suitable nonwoven fabric and edge stitched ¼" gauge. Seven Female snaps shall be located on the outer flap ¾" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 3 ¼" from the top snap with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 ¾" from the front edge of the under flap in locations corresponding to the Female snaps. The half chest shall be 27 ½" wide. Both fronts shall be interlined with Goose Down.

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- * **Collar:** The collar and collar lining shall be made from the outershell fabric and interlined with the 200 gram insulation fabric. The top of the collar shall align with the top of the front weather flaps. The collar front edges shall be 3 ½" wide and 3 ½" wide at center back. The collar top shall be edge stitched ¼" gauge and shall be 23" across the top. Four Male snaps shall be located 1" up from the collar seam with two located 2 1/8" and two located 6 ¾" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 18" long. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop 2" long shall be sewn into the inside collar seam at center back.
- * **Slash Pocket:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3 ½" above the bottom front hem and 3 1/8" from the side seam. The top of the pocket opening shall be 10 ½" from the bottom hem and 4" from the side seam. The opening shall be 7" long. The welt shall be 7" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outershell fabric on the inside and lining fabric on the outside and shall be 6 ¾" deep at center.
- * **Patch Pocket:** A zippered patch pocket shall be located under the left front. The pocket shall be 7 ¼" wide by 7 ¾" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 ½" below top edge of pocket. Opening lining shall be 5 ¾" long and ¾" wide with inside edges turned under and topstitched 1/8" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 8" deep and run side seam to front seam with the top level being level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.
- * **Back:** The back shall be plain and shall be 33" long at center back from collar seam to bottom edge. The back shall be interlined with Goose Down.
- * **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6 ¼" wide at the collar seam and shall be 32" long from collar seam to bottom edge. Sleeve shall be interlined with Goose Down insulation and lined to within 4" of bottom. Outershell fabric shall extend up inside the sleeves 3" and be sewn to the lining. A knitted cuff, 3" wide shall be sewn into the lining/outershell seam. The bottom edge of the sleeve shall be edge stitched 5/8" gage.
- * **Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall be formed by sewing a strip of fabric to the backside of the front and back outershell panels. Top and bottom edges shall be turned under and topstitched 1/8" gauge. The tunnel shall finish 1" wide and run the circumference of the parka beginning and ending at front zipper tape/weather flap seams. A 3/16" diameter chrome plated brass eyelet shall be located in the lining fabric within 2" of each front edge of the liner/weather flap seam. A 1/8" diameter nylon covered elastic cord shall pass through the tunnel and exit through the eyelets. The cord shall be 3" longer than each eyelet when in a fully relaxed state. The cord shall be knotted 1" from each end and shall have an 7/32" diameter Barrel lock attached to each end close to each eyelet.
- * **Bottom:** The bottom outershell fabric shall be turned up to the inside with the raw edge turned under and edge stitched 1/8" gauge. The hem shall be ¾" wide.

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- * **Hood:** The hood shall be constructed from three pieces of outershell fabric. The hood is fully lined. The hood insulation shall be Goose Down. The two main shell pieces and lining pieces shall be sewn together with a full fell seam, ¼" gauge. The smaller outershell fabric piece shall be stitched, turned and topstitched 1/8" gauge to the front edge of the outershell to form a visor. The visor shall be 1" wide at sides and 2 ¼" wide at center front. The visor shall be interlined with a suitable nonwoven fabric. The back edge of the visor shall be turned up and topstitched 1/8" gauge to the hood with the front edge of the lining and both edges of a drawstring tunnel caught in between outershell layers. The hood shall be 27 ½" long along the face opening and 26 ½" long on the bottom edge with 5" wide front extensions. The extension ends 5" past the facial plane of the hood.

The left and right front extensions shall be formed by folding the outershell fabric back to the inside 2" with the raw edge turned under and edge stitched 1/8" gauge. A Female snap shall be located in each corner of the left extension ½" from each edge. A Male snap shall be located ½" below the top right extension edge and another ½" above the bottom extension edge. The Male snaps shall be 1 ½" in from the right front edge. The bottom edge of hood and hood lining shall be joined by stitching, turning and edge stitching 1/8" gauge. Four Female snaps shall be 1" from the bottom edge in locations corresponding to Male snap locations on the same size parka.

A drawstring tunnel shall be constructed from lining fabric. The tunnel shall be 1 ¾" wide at center front and ¾" wide at front ends. The tunnel shall start 3" back from the right front extension, follow along the hood opening and end 3" back of the left front extension. The raw edges of the tunnel fabric shall be caught in the seam joining the back edge of the visor lining to the outershell of the hood. Black painted brass eyelets shall be 3/16" diameter and shall be located through the hood extension at the end of each tunnel opening. A 1/8" diameter black nylon covered elastic cord shall run through the eyelets and tunnel. The drawcord shall be centered and sewn down to the rear center of the drawcord tunnel. Each drawcord end shall have a cordlock attached and a knot 1" from each end. The drawcord shall extend a minimum 2" past each eyelet when in a relaxed state.

A 5/8" wide piece of hook tape 2" long shall be sewn horizontally to the top of the outershell back panel. The tape shall be centered with upper corners within ½" of the fell seam. A second piece of 5/8" by 2" long pile tape shall be sewn horizontally 1 ½" below the lower edge of the hook tape.

- * **Hanger Loop:** A 3/8" wide black nylon tape hanger loop 2" long shall be sewn into the inside collar seam at center back.
- * **Patch:** The large U.S. Fish & Wildlife Service patch shall be sewn securely in the center of the left sleeve with the top edge 7 ¼" below the collar seam. The patch shall be sewn with inconspicuous stitching using thread closely matching the emblem background color.
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT C

F385 Parka, Male, Brown Nylon Waist Length, Insulated

Specifications are identical for the following other components:

- F386 Parka, Male, Brown Nylon Hip Length, Insulated
- C387 Parka, Male, Green Nylon Hip Length, Insulated
- C388 Parka, Male, Green Nylon Waist Length, Insulated
- F389 Parka, Female, Brown Nylon Waist Length, Insulated
- F390 Parka, Female, Brown Nylon Hip Length, Insulated
- C391 Parka, Female, Green Nylon Hip Length, Insulated
- C392 Parka, Female, Green Nylon Waist Length, Insulated

Sample Size: All dimensions are based on sizes Male-Large, Female-Medium

GENERAL DESCRIPTION

The garment is a hip or waist length parka with a front storm flap, a two-way zipper, and snap closures. The Parka has an adjustable waist cord, two outside hand pockets, and two inside pockets. The parka is fully lined and insulated.

TYPE ITEMS: *--All Parkas Type I—Male Type II—Female

CLASSIFICATION COE # (M/F)

*	All Parkas	*
A	Hip Length	C387/391
B	Waist Length	C388/392

		FWS # (M/F)
*	All Parkas	*
C	Hip Length	F386/390
D	Waist Length	F385/389

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A,B **Basic Material:** The material shall be 100% Taslan Nylon, 2-ply, with 3M Thinsulate--Forest Green.
- *-C,D **Basic Material:** The material shall be 100% Taslan Nylon, 2-ply, with 3M Thinsulate--dark brown.
- * **Linings:** The parka shall be fully lined. The lining shall be sewn to the insulation batting with parallel rows of stitching spaced 5 ¼" apart.
- * **Thread:** All thread except topstitching shall be minimum size 60/36. Topstitching thread shall be minimum size 40/20.
- * **Snap:** The snaps shall be 24 ligne with an enamel finish outer shell matching the color of the garment.

ATTACHMENT C

- I-*** **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be ¾" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab single pull sliders. The tape shall be 5/8" wide.
- II-*** **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be ¾" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 6" long with long tab single pull sliders. The tape shall be 5/8" wide.
- *** **Labels:** See general reference and requirements sheet.

General Instructions

- *** **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, ¼" gauge.

Detail Design Characteristics

- I-*** **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with the 200 gram insulation fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 ½" wide and 2 ¾" wide at center back. Collar top shall be edge stitched ¼" gauge and shall be 23" across the top. Four Male snaps shall be located 1" up from the collar seam with two located 2 1/8" and two located 6 ¾" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 18" wide. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop, 2" long, shall be sewn into the inside collar seam at center back.
- II-*** **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with the 200 gram insulation fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 7/8" wide and 3" wide at center back. Collar top shall be edge stitched 1/4" gauge and shall be 20 ½" across the top. Four Male snaps shall be located ¾" up from the collar seam with two located 1 ¾" and two located 5 ¼" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 15 ½" wide. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop, 2" long, shall be sewn into the inside collar seam at center back.
- I-A,C** **Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 32 ½" long. The front zipper shall be 29" long. The under (right) flap shall be 1" wide and 32 ½" long and shall be sewn between the lining and the zipper tape and shell fabric on the right front. The outer (left) flap shall be 2 1/8" wide and 32 ½" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched ¼" gauge. Seven Female snaps shall be located on the outer flap ¾" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 1/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 ¾" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 25" wide.

ATTACHMENT C

- I-B,D Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 26" long. The front zipper shall be 24" long. The under (right) flap shall be 1" wide and 26" long and shall be sewn between the lining and the zipper tape and shell fabric on the right front. The outer (left) flap shall be 2 1/8" wide and 26" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven Female snaps shall be located on the outer flap 3/4" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 1/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 25" wide.
- II-A,C Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2 1/2" of the bottom edge. The front length shall be a minimum of 31" long. The front zipper shall be 28 1/2" long. The under (left) flap shall be 1" wide and 31" long and shall be sewn between the lining and the zipper tape and shell fabric on the left front. The outer (right) flap shall be 2 1/8" wide and 31" long and shall be sewn between the outer shell and the right zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 1/4" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 23" wide.
- II-B,D Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 24" long. The front zipper shall be 22" long. The under (left) flap shall be 1" wide and 24" long and shall be sewn between the lining and the zipper tape and shell fabric on the left front. The outer (right) flap shall be 2 1/8" wide and 24" long and shall be sewn between the outer shell and the right zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Six Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 5" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 22" wide.
- *-A,C Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall be formed by sewing a strip of fabric to the backside of the front and back outer shell panels. Top and bottom edges shall be turned under and topstitched 1/8" gauge. The tunnel shall finish 1" wide and run the circumference of the parka beginning and ending at front zipper tape/weather flap seams. A 3/16" diameter chrome plated black eyelet shall be located in the lining fabric within 2" of each front edge of the liner/weather flap seam. A 1/8" diameter nylon covered elastic cord shall enter through the tunnel and exit through the eyelets. The cord shall be 3" longer than each eyelet when in a fully relax state. The cord shall be knotted 1" from each end and shall have a 7/32" diameter Barreloc attached to each end close to each eyelet.
- I-A,B Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/32" topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 2" long with two eyelets centered, 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 5 1/2" from the left front edge and the top edge 4 1/2" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 1/2" below the front shoulder seam.

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- I-C,D Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{3}{4}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $5\frac{1}{2}$ " from the left front edge and the top edge $4\frac{1}{2}$ " below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge $3\frac{1}{2}$ " from the front zipper tape and the top edge $7\frac{1}{2}$ " below the front shoulder seam.
- II-A,B Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{1}{2}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{7}{8}$ " from the left front edge and the top edge 5" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3" from the front zipper tape and the top edge 5" below the front shoulder seam.
- II-C,D Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{3}{4}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{7}{8}$ " from the left front edge and the top edge 5" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3" from the front zipper tape and the top edge 5" below the front shoulder seam.
- I-A,C Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be $3\frac{1}{2}$ " above the bottom front hem and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be $10\frac{1}{2}$ " from the bottom hem and $3\frac{1}{8}$ " from the side seam. The opening shall be 7" long. The welt shall be 7" long and $\frac{5}{8}$ " wide. Welt edges shall be topstitched $\frac{1}{16}$ " gauge. Pocket lining shall be outer shell fabric and shall be $6\frac{3}{4}$ " deep at center.
- A zippered patch pocket shall be located under the left front. The pocket shall be $7\frac{1}{4}$ " wide by $7\frac{3}{4}$ " deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered $1\frac{1}{2}$ " below top edge of pocket. Opening in lining shall be 6" long and $\frac{3}{4}$ " wide with inside edges turned under and topstitched $\frac{1}{16}$ " gauge. Top of pocket shall be level with bottom of armhole.
- A hook and pile closed patch pocket shall be 8" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched $\frac{1}{16}$ " gauge. The hem shall finish $\frac{3}{4}$ " wide with a $\frac{5}{8}$ " by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.
- I-B,D Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 4" above the bottom front hem and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be 11" from the bottom hem and 4" from the side seam. The opening shall be 7" long. The welt shall be 7" long and $\frac{5}{8}$ " wide. Welt edges shall be topstitched $\frac{1}{16}$ " gauge. Pocket lining shall be outer shell fabric and shall be $6\frac{3}{4}$ " deep at center.
- A zippered patch pocket shall be located under the left front. The pocket shall be $7\frac{3}{4}$ " wide by $7\frac{7}{8}$ " deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered $1\frac{1}{2}$ " below top edge of pocket. Opening in lining shall be $6\frac{1}{8}$ " long and $\frac{3}{4}$ " wide with inside edges turned under and topstitched $\frac{1}{8}$ " gauge. Top of pocket shall be level with bottom of armhole.

ATTACHMENT C

A hook and pile closed patch pocket shall be 10 ½" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

II-A,C Pockets: A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3" above the bottom front hem and 2 5/8" from the side seam. The top of the pocket opening shall be 10" from the bottom hem and 3 ¼" from the side seam. The opening shall be 6 ¾" long. The welt shall be 7" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 6" deep at center.

A zippered patch pocket shall be located under the left front. The pocket shall be 7 ¼" wide by 8" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 ½" below top edge of pocket. Opening in lining shall be 6 1/8" long and ¾" wide with inside edges turned under and topstitched 1/16" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 6 ¼" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

II-B,D Pockets: A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3 ¾" above the bottom front hem and 2 5/8" from the side seam. The top of the pocket opening shall be 10 ½" from the bottom hem and 4" from the side seam. The opening shall be 6 7/8" long. The welt shall be 6 7/8" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 6" deep at center.

A zippered patch pocket shall be located under the left front. The pocket shall be 7 ½" wide by 8" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 5/8" below top edge of pocket. Opening in lining shall be 6" long and ¾" wide with inside edges turned under and topstitched 1/16" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 8 ½" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

I-A,C Back: The back shall be plain and shall be 33" long at center back from collar seam to bottom edge.

I-B,D Back: The back shall be plain and shall be 27" long at center back from collar seam to bottom edge.

II-A,C Back: The back shall be plain and shall be 29" long at center back from collar seam to bottom edge.

II-B,D Back: The back shall be plain and shall be 23" long at center back from collar seam to bottom edge.

I-A,C Sleeves: The sleeves shall be raglan, one piece construction. The sleeve head shall be 6 ¼" wide at the collar seam and shall be 33" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.

ATTACHMENT C

- I-B,D** **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6 ¼" wide at the collar seam and shall be 32" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- II-A,C** **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5" wide at the collar seam and shall be 30 ½" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- II-B,D** **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5 ¼" wide at the collar seam and shall be 31" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- *** **Cuffs:** A 3" wide knitted cuff shall be sewn into the lining/outershell seam.
- I-A,C** **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be 3/4" wide.
- I-B,D** **Bottoms:** The bottom shall be finished with a 2" wide waistband. Elastic 2" wide by 11" long shall be sewn inside. Each side of the waistband shall start 6 ¼" from each front edge. The elastic shall be stitched to the waistband and lining 1" from the bottom edge. The center back and front sections of the waistband shall be insulated. The center back section shall finish 9 ¾" wide. The waistband and waistband lining shall be outer shell fabric. The bottom of front and back sections shall be edgestitched, ¼" gauge.
- II-A,C** **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be 3/4" wide.
- II-B,D** **Bottoms:** The bottom shall be finished with a 2" wide waistband. Elastic 2" wide by 8" long shall be sewn inside. Each side of the waistband shall start 6 3/8" from each front edge. The elastic shall be stitched to the waistband and lining 1" from the bottom edge. The center back and front sections of the waistband shall be insulated. The center back section shall finish 9 ½" wide. The waistband and waistband lining shall be outer shell fabric. The bottom of front and back sections shall be edgestitched, ¼" gauge.
- *** **Patch:** The organizations ensign shoulder patch shall be sewn securely in the center of the left sleeve with the top edge approximately 7" below the collar seam. (Raglan sleeves) The patch shall to be sewn with inconspicuous stitching using red thread to match the emblem border color.

ATTACHMENT C

Sizes and Measurements

Finished Dimensions

I-A,C **Sizes:** S - XXXL in regular, M-XXL in long

I-B,D **Sizes:** S – XXXL in regular, M-XXL in long

II-* **Sizes:** S, M, L, XL

ATTACHMENT C

F386 Parka, Male, Brown Nylon Hip Length, Insulated

Specifications are identical for the following other components:

F385 Parka, Male, Brown Nylon Waist Length, Insulated
C387 Parka, Male, Green Nylon Hip Length, Insulated
C388 Parka, Male, Green Nylon Waist Length, Insulated
F389 Parka, Female, Brown Nylon Waist Length, Insulated
F390 Parka, Female, Brown Nylon Hip Length, Insulated
C391 Parka, Female, Green Nylon Hip Length, Insulated
C392 Parka, Female, Green Nylon Waist Length, Insulated

Sample Size: All dimensions are based on sizes Male-Large, Female-Medium

GENERAL DESCRIPTION

The garment is a hip or waist length parka with a front storm flap, a two-way zipper, and snap closures. The Parka has an adjustable waist cord, two outside hand pockets, and two inside pockets. The parka is fully lined and insulated.

TYPE ITEMS: *--All Parkas Type I—Male Type II—Female

CLASSIFICATION COE # (M/F)

*	All Parkas	*
A	Hip Length	C387/391
B	Waist Length	C388/392

		FWS # (M/F)
*	All Parkas	*
C	Hip Length	F386/390
D	Waist Length	F385/389

SALIENT CHARACTERISTICS

Components

Type-Class

*-A,B **Basic Material:** The material shall be 100% Taslan Nylon, 2-ply, with 3M Thinsulate--Forest Green.

*-C,D **Basic Material:** The material shall be 100% Taslan Nylon, 2-ply, with 3M Thinsulate--dark brown.

* **Linings:** The parka shall be fully lined. The lining shall be sewn to the insulation batting with parallel rows of stitching spaced 5 ¼" apart.

* **Thread:** All thread except topstitching shall be minimum size 60/36. Topstitching thread shall be minimum size 40/20.

* **Snap:** The snaps shall be 24 ligne with an enamel finish outer shell matching the color of the garment.

ATTACHMENT C

- I-*** **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be ¾" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab single pull sliders. The tape shall be 5/8" wide.
- II-*** **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be ¾" wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 6" long with long tab single pull sliders. The tape shall be 5/8" wide.
- *** **Labels:** See general reference and requirements sheet.

General Instructions

- *** **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, ¼" gauge.

Detail Design Characteristics

- I-*** **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with the 200 gram insulation fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 ½" wide and 2 ¾" wide at center back. Collar top shall be edge stitched ¼" gauge and shall be 23" across the top. Four Male snaps shall be located 1" up from the collar seam with two located 2 1/8" and two located 6 ¾" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 18" wide. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop, 2" long, shall be sewn into the inside collar seam at center back.
- II-*** **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with the 200 gram insulation fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be 3 7/8" wide and 3" wide at center back. Collar top shall be edge stitched 1/4" gauge and shall be 20 ½" across the top. Four Male snaps shall be located ¾" up from the collar seam with two located 1 ¾" and two located 5 ¼" to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 15 ½" wide. The knitted collar shall be 2" high at center back and taper off to each side. A 3/8" wide black nylon tape hanger loop, 2" long, shall be sewn into the inside collar seam at center back.
- I-A,C** **Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 32 ½" long. The front zipper shall be 29" long. The under (right) flap shall be 1" wide and 32 ½" long and shall be sewn between the lining and the zipper tape and shell fabric on the right front. The outer (left) flap shall be 2 1/8" wide and 32 ½" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched ¼" gauge. Seven Female snaps shall be located on the outer flap ¾" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 1/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 ¾" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 25" wide.

ATTACHMENT C

- I-B,D Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 26" long. The front zipper shall be 24" long. The under (right) flap shall be 1" wide and 26" long and shall be sewn between the lining and the zipper tape and shell fabric on the right front. The outer (left) flap shall be 2 1/8" wide and 26" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven Female snaps shall be located on the outer flap 3/4" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 1/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 25" wide.
- II-A,C Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2 1/2" of the bottom edge. The front length shall be a minimum of 31" long. The front zipper shall be 28 1/2" long. The under (left) flap shall be 1" wide and 31" long and shall be sewn between the lining and the zipper tape and shell fabric on the left front. The outer (right) flap shall be 2 1/8" wide and 31" long and shall be sewn between the outer shell and the right zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 1/4" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 23" wide.
- II-B,D Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 24" long. The front zipper shall be 22" long. The under (left) flap shall be 1" wide and 24" long and shall be sewn between the lining and the zipper tape and shell fabric on the left front. The outer (right) flap shall be 2 1/8" wide and 24" long and shall be sewn between the outer shell and the right zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Six Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 5" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 22" wide.
- *-A,C Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall be formed by sewing a strip of fabric to the backside of the front and back outer shell panels. Top and bottom edges shall be turned under and topstitched 1/8" gauge. The tunnel shall finish 1" wide and run the circumference of the parka beginning and ending at front zipper tape/weather flap seams. A 3/16" diameter chrome plated black eyelet shall be located in the lining fabric within 2" of each front edge of the liner/weather flap seam. A 1/8" diameter nylon covered elastic cord shall enter through the tunnel and exit through the eyelets. The cord shall be 3" longer than each eyelet when in a fully relax state. The cord shall be knotted 1" from each end and shall have a 7/32" diameter Barreloc attached to each end close to each eyelet.
- I-A,B Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/32" topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 2" long with two eyelets centered, 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 5 1/2" from the left front edge and the top edge 4 1/2" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 1/2" below the front shoulder seam.

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- I-C,D Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{3}{4}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $5\frac{1}{2}$ " from the left front edge and the top edge $4\frac{1}{2}$ " below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge $3\frac{1}{2}$ " from the front zipper tape and the top edge $7\frac{1}{2}$ " below the front shoulder seam.
- II-A,B Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{1}{2}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{7}{8}$ " from the left front edge and the top edge 5" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3" from the front zipper tape and the top edge 5" below the front shoulder seam.
- II-C,D Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{3}{4}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{7}{8}$ " from the left front edge and the top edge 5" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3" from the front zipper tape and the top edge 5" below the front shoulder seam.
- I-A,C Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be $3\frac{1}{2}$ " above the bottom front hem and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be $10\frac{1}{2}$ " from the bottom hem and $3\frac{1}{8}$ " from the side seam. The opening shall be 7" long. The welt shall be 7" long and $\frac{5}{8}$ " wide. Welt edges shall be topstitched $\frac{1}{16}$ " gauge. Pocket lining shall be outer shell fabric and shall be $6\frac{3}{4}$ " deep at center.
- A zippered patch pocket shall be located under the left front. The pocket shall be $7\frac{1}{4}$ " wide by $7\frac{3}{4}$ " deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered $1\frac{1}{2}$ " below top edge of pocket. Opening in lining shall be 6" long and $\frac{3}{4}$ " wide with inside edges turned under and topstitched $\frac{1}{16}$ " gauge. Top of pocket shall be level with bottom of armhole.
- A hook and pile closed patch pocket shall be 8" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched $\frac{1}{16}$ " gauge. The hem shall finish $\frac{3}{4}$ " wide with a $\frac{5}{8}$ " by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.
- I-B,D Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 4" above the bottom front hem and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be 11" from the bottom hem and 4" from the side seam. The opening shall be 7" long. The welt shall be 7" long and $\frac{5}{8}$ " wide. Welt edges shall be topstitched $\frac{1}{16}$ " gauge. Pocket lining shall be outer shell fabric and shall be $6\frac{3}{4}$ " deep at center.

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A zippered patch pocket shall be located under the left front. The pocket shall be 7 ¾" wide by 7 7/8" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 ½" below top edge of pocket. Opening in lining shall be 6 1/8" long and ¾" wide with inside edges turned under and topstitched 1/8" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 10 ½" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

II-A,C Pockets: A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3" above the bottom front hem and 2 5/8" from the side seam. The top of the pocket opening shall be 10" from the bottom hem and 3 ¼" from the side seam. The opening shall be 6 ¾" long. The welt shall be 7" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 6" deep at center.

A zippered patch pocket shall be located under the left front. The pocket shall be 7 ¼" wide by 8" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 ½" below top edge of pocket. Opening in lining shall be 6 1/8" long and ¾" wide with inside edges turned under and topstitched 1/16" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 6 ¼" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

II-B,D Pockets: A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3 ¾" above the bottom front hem and 2 5/8" from the side seam. The top of the pocket opening shall be 10 ½" from the bottom hem and 4" from the side seam. The opening shall be 6 7/8" long. The welt shall be 6 7/8" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 6" deep at center.

A zippered patch pocket shall be located under the left front. The pocket shall be 7 ½" wide by 8" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 5/8" below top edge of pocket. Opening in lining shall be 6" long and ¾" wide with inside edges turned under and topstitched 1/16" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 8 ½" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

I-A,C Back: The back shall be plain and shall be 33" long at center back from collar seam to bottom edge.

I-B,D Back: The back shall be plain and shall be 27" long at center back from collar seam to bottom edge.

II-A,C Back: The back shall be plain and shall be 29" long at center back from collar seam to bottom edge.

II-B,D Back: The back shall be plain and shall be 23" long at center back from collar seam to bottom edge.

ATTACHMENT C

- I-A,C** **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 6 ¼" wide at the collar seam and shall be 33" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- I-B,D** **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6 ¼" wide at the collar seam and shall be 32" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- II-A,C** **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5" wide at the collar seam and shall be 30 ½" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- II-B,D** **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5 ¼" wide at the collar seam and shall be 31" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- *** **Cuffs:** A 3" wide knitted cuff shall be sewn into the lining/outershell seam.
- I-A,C** **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be 3/4" wide.
- I-B,D** **Bottoms:** The bottom shall be finished with a 2" wide waistband. Elastic 2" wide by 11" long shall be sewn inside. Each side of the waistband shall start 6 ¼" from each front edge. The elastic shall be stitched to the waistband and lining 1" from the bottom edge. The center back and front sections of the waistband shall be insulated. The center back section shall finish 9 ¾" wide. The waistband and waistband lining shall be outer shell fabric. The bottom of front and back sections shall be edgestitched, ¼" gauge.
- II-A,C** **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be 3/4" wide.
- II-B,D** **Bottoms:** The bottom shall be finished with a 2" wide waistband. Elastic 2" wide by 8" long shall be sewn inside. Each side of the waistband shall start 6 3/8" from each front edge. The elastic shall be stitched to the waistband and lining 1" from the bottom edge. The center back and front sections of the waistband shall be insulated. The center back section shall finish 9 ½" wide. The waistband and waistband lining shall be outer shell fabric. The bottom of front and back sections shall be edgestitched, ¼" gauge.
- *** **Patch:** The organizations ensign shoulder patch shall be sewn securely in the center of the left sleeve with the top edge approximately 7" below the collar seam. (Raglan sleeves) The patch shall to be sewn with inconspicuous stitching using red thread to match the emblem border color.

ATTACHMENT C

Sizes and Measurements

Finished Dimensions

I-A,C	Sizes: S - XXXL in regular, M-XXL in long
I-B,D	Sizes: S – XXXL in regular, M-XXL in long
II-*	Sizes: S, M, L, XL

ATTACHMENT C

F389 Parka, Female, Brown Nylon Waist Length, Insulated

Specifications are identical for the following other components:

F385 Parka, Male, Brown Nylon Waist Length, Insulated
F386 Parka, Male, Brown Nylon Hip Length, Insulated
C387 Parka, Male, Green Nylon Hip Length, Insulated
C388 Parka, Male, Green Nylon Waist Length, Insulated
F390 Parka, Female, Brown Nylon Hip Length, Insulated
C391 Parka, Female, Green Nylon Hip Length, Insulated
C392 Parka, Female, Green Nylon Waist Length, Insulated

Sample Size: All dimensions are based on sizes Male-Large, Female-Medium

GENERAL DESCRIPTION

The garment is a hip or waist length parka with a front storm flap, a two-way zipper, and snap closures. The Parka has an adjustable waist cord, two outside hand pockets, and two inside pockets. The parka is fully lined and insulated.

TYPE ITEMS: *--All Parkas Type I—Male Type II—Female

CLASSIFICATION COE # (M/F)

*	All Parkas	*
A	Hip Length	C387/391
B	Waist Length	C388/392

		FWS # (M/F)
*	All Parkas	*
C	Hip Length	F386/390
D	Waist Length	F385/389

SALIENT CHARACTERISTICS

Components

Type-Class

*-A,B **Basic Material:** The material shall be 100% Taslan Nylon, 2-ply, with 3M Thinsulate--Forest Green.

*-C,D **Basic Material:** The material shall be 100% Taslan Nylon, 2-ply, with 3M Thinsulate--dark brown.

* **Linings:** The parka shall be fully lined. The lining shall be sewn to the insulation batting with parallel rows of stitching spaced 5 ¼" apart.

* **Thread:** All thread except topstitching shall be minimum size 60/36. Topstitching thread shall be minimum size 40/20.

* **Snap:** The snaps shall be 24 ligne with an enamel finish outer shell matching the color of the garment.

ATTACHMENT C

- I-*** **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be $\frac{3}{4}$ " wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab single pull sliders. The tape shall be $\frac{5}{8}$ " wide.
- II-*** **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be $\frac{3}{4}$ " wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 6" long with long tab single pull sliders. The tape shall be $\frac{5}{8}$ " wide.
- *** **Labels:** See general reference and requirements sheet.

General Instructions

- *** **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, $\frac{1}{4}$ " gauge.

Detail Design Characteristics

- I-*** **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with the 200 gram insulation fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be $3\frac{1}{2}$ " wide and $2\frac{3}{4}$ " wide at center back. Collar top shall be edge stitched $\frac{1}{4}$ " gauge and shall be 23" across the top. Four Male snaps shall be located 1" up from the collar seam with two located $2\frac{1}{8}$ " and two located $6\frac{3}{4}$ " to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 18" wide. The knitted collar shall be 2" high at center back and taper off to each side. A $\frac{3}{8}$ " wide black nylon tape hanger loop, 2" long, shall be sewn into the inside collar seam at center back.
- II-*** **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with the 200 gram insulation fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be $3\frac{7}{8}$ " wide and 3" wide at center back. Collar top shall be edge stitched $\frac{1}{4}$ " gauge and shall be $20\frac{1}{2}$ " across the top. Four Male snaps shall be located $\frac{3}{4}$ " up from the collar seam with two located $1\frac{3}{4}$ " and two located $5\frac{1}{4}$ " to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be $15\frac{1}{2}$ " wide. The knitted collar shall be 2" high at center back and taper off to each side. A $\frac{3}{8}$ " wide black nylon tape hanger loop, 2" long, shall be sewn into the inside collar seam at center back.
- I-A,C** **Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of $32\frac{1}{2}$ " long. The front zipper shall be 29" long. The under (right) flap shall be 1" wide and $32\frac{1}{2}$ " long and shall be sewn between the lining and the zipper tape and shell fabric on the right front. The outer (left) flap shall be $2\frac{1}{8}$ " wide and $32\frac{1}{2}$ " long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched $\frac{1}{4}$ " gauge. Seven Female snaps shall be located on the outer flap $\frac{3}{4}$ " from the front edge. Top and bottom snaps shall be $\frac{5}{8}$ " from the panel top and bottom edges. The snap second from the top shall be $4\frac{1}{8}$ " from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located $1\frac{3}{4}$ " from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 25" wide.

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- I-B,D Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 26" long. The front zipper shall be 24" long. The under (right) flap shall be 1" wide and 26" long and shall be sewn between the lining and the zipper tape and shell fabric on the right front. The outer (left) flap shall be 2 1/8" wide and 26" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven Female snaps shall be located on the outer flap 3/4" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 1/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 25" wide.
- II-A,C Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2 1/2" of the bottom edge. The front length shall be a minimum of 31" long. The front zipper shall be 28 1/2" long. The under (left) flap shall be 1" wide and 31" long and shall be sewn between the lining and the zipper tape and shell fabric on the left front. The outer (right) flap shall be 2 1/8" wide and 31" long and shall be sewn between the outer shell and the right zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 1/4" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 23" wide.
- II-B,D Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 24" long. The front zipper shall be 22" long. The under (left) flap shall be 1" wide and 24" long and shall be sewn between the lining and the zipper tape and shell fabric on the left front. The outer (right) flap shall be 2 1/8" wide and 24" long and shall be sewn between the outer shell and the right zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Six Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 5" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 22" wide.
- *-A,C Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall be formed by sewing a strip of fabric to the backside of the front and back outer shell panels. Top and bottom edges shall be turned under and topstitched 1/8" gauge. The tunnel shall finish 1" wide and run the circumference of the parka beginning and ending at front zipper tape/weather flap seams. A 3/16" diameter chrome plated black eyelet shall be located in the lining fabric within 2" of each front edge of the liner/weather flap seam. A 1/8" diameter nylon covered elastic cord shall enter through the tunnel and exit through the eyelets. The cord shall be 3" longer than each eyelet when in a fully relax state. The cord shall be knotted 1" from each end and shall have a 7/32" diameter Barreloc attached to each end close to each eyelet.
- I-A,B Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/32" topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 2" long with two eyelets centered, 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 5 1/2" from the left front edge and the top edge 4 1/2" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 1/2" below the front shoulder seam.

ATTACHMENT C

- I-C,D Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{3}{4}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $5\frac{1}{2}$ " from the left front edge and the top edge $4\frac{1}{2}$ " below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge $3\frac{1}{2}$ " from the front zipper tape and the top edge $7\frac{1}{2}$ " below the front shoulder seam.
- II-A,B Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{1}{2}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{7}{8}$ " from the left front edge and the top edge 5" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3" from the front zipper tape and the top edge 5" below the front shoulder seam.
- II-C,D Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{3}{4}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{7}{8}$ " from the left front edge and the top edge 5" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3" from the front zipper tape and the top edge 5" below the front shoulder seam.
- I-A,C Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be $3\frac{1}{2}$ " above the bottom front hem and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be $10\frac{1}{2}$ " from the bottom hem and $3\frac{1}{8}$ " from the side seam. The opening shall be 7" long. The welt shall be 7" long and $\frac{5}{8}$ " wide. Welt edges shall be topstitched $\frac{1}{16}$ " gauge. Pocket lining shall be outer shell fabric and shall be $6\frac{3}{4}$ " deep at center.
- A zippered patch pocket shall be located under the left front. The pocket shall be $7\frac{1}{4}$ " wide by $7\frac{3}{4}$ " deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered $1\frac{1}{2}$ " below top edge of pocket. Opening in lining shall be 6" long and $\frac{3}{4}$ " wide with inside edges turned under and topstitched $\frac{1}{16}$ " gauge. Top of pocket shall be level with bottom of armhole.
- A hook and pile closed patch pocket shall be 8" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched $\frac{1}{16}$ " gauge. The hem shall finish $\frac{3}{4}$ " wide with a $\frac{5}{8}$ " by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.
- I-B,D Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 4" above the bottom front hem and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be 11" from the bottom hem and 4" from the side seam. The opening shall be 7" long. The welt shall be 7" long and $\frac{5}{8}$ " wide. Welt edges shall be topstitched $\frac{1}{16}$ " gauge. Pocket lining shall be outer shell fabric and shall be $6\frac{3}{4}$ " deep at center.

ATTACHMENT C

A zippered patch pocket shall be located under the left front. The pocket shall be 7 ¾" wide by 7 7/8" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 ½" below top edge of pocket. Opening in lining shall be 6 1/8" long and ¾" wide with inside edges turned under and topstitched 1/8" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 10 ½" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

II-A,C Pockets: A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3" above the bottom front hem and 2 5/8" from the side seam. The top of the pocket opening shall be 10" from the bottom hem and 3 ¼" from the side seam. The opening shall be 6 ¾" long. The welt shall be 7" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 6" deep at center.

A zippered patch pocket shall be located under the left front. The pocket shall be 7 ¼" wide by 8" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 ½" below top edge of pocket. Opening in lining shall be 6 1/8" long and ¾" wide with inside edges turned under and topstitched 1/16" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 6 ¼" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

II-B,D Pockets: A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3 ¾" above the bottom front hem and 2 5/8" from the side seam. The top of the pocket opening shall be 10 ½" from the bottom hem and 4" from the side seam. The opening shall be 6 7/8" long. The welt shall be 6 7/8" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 6" deep at center.

A zippered patch pocket shall be located under the left front. The pocket shall be 7 ½" wide by 8" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 5/8" below top edge of pocket. Opening in lining shall be 6" long and ¾" wide with inside edges turned under and topstitched 1/16" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 8 ½" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

I-A,C Back: The back shall be plain and shall be 33" long at center back from collar seam to bottom edge.

I-B,D Back: The back shall be plain and shall be 27" long at center back from collar seam to bottom edge.

II-A,C Back: The back shall be plain and shall be 29" long at center back from collar seam to bottom edge.

II-B,D Back: The back shall be plain and shall be 23" long at center back from collar seam to bottom edge.

ATTACHMENT C

- I-A,C** **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 6 ¼" wide at the collar seam and shall be 33" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- I-B,D** **Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6 ¼" wide at the collar seam and shall be 32" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- II-A,C** **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5" wide at the collar seam and shall be 30 ½" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- II-B,D** **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5 ¼" wide at the collar seam and shall be 31" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- *** **Cuffs:** A 3" wide knitted cuff shall be sewn into the lining/outershell seam.
- I-A,C** **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be 3/4" wide.
- I-B,D** **Bottoms:** The bottom shall be finished with a 2" wide waistband. Elastic 2" wide by 11" long shall be sewn inside. Each side of the waistband shall start 6 ¼" from each front edge. The elastic shall be stitched to the waistband and lining 1" from the bottom edge. The center back and front sections of the waistband shall be insulated. The center back section shall finish 9 ¾" wide. The waistband and waistband lining shall be outer shell fabric. The bottom of front and back sections shall be edgestitched, ¼" gauge.
- II-A,C** **Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be 3/4" wide.
- II-B,D** **Bottoms:** The bottom shall be finished with a 2" wide waistband. Elastic 2" wide by 8" long shall be sewn inside. Each side of the waistband shall start 6 3/8" from each front edge. The elastic shall be stitched to the waistband and lining 1" from the bottom edge. The center back and front sections of the waistband shall be insulated. The center back section shall finish 9 ½" wide. The waistband and waistband lining shall be outer shell fabric. The bottom of front and back sections shall be edgestitched, ¼" gauge.
- *** **Patch:** The organizations ensign shoulder patch shall be sewn securely in the center of the left sleeve with the top edge approximately 7" below the collar seam. (Raglan sleeves) The patch shall to be sewn with inconspicuous stitching using red thread to match the emblem border color.

ATTACHMENT C

Sizes and Measurements

Finished Dimensions

I-A,C **Sizes:** S - XXXL in regular, M-XXL in long

I-B,D **Sizes:** S – XXXL in regular, M-XXL in long

II-* **Sizes:** S, M, L, XL

ATTACHMENT C

F390 Parka, Female, Brown Nylon Hip Length, Insulated

Specifications are identical for the following other components:

F385 Parka, Male, Brown Nylon Waist Length, Insulated
F386 Parka, Male, Brown Nylon Hip Length, Insulated
C387 Parka, Male, Green Nylon Hip Length, Insulated
C388 Parka, Male, Green Nylon Waist Length, Insulated
F389 Parka, Female, Brown Nylon Waist Length, Insulated
C391 Parka, Female, Green Nylon Hip Length, Insulated
C392 Parka, Female, Green Nylon Waist Length, Insulated

Sample Size: All dimensions are based on sizes Male-Large, Female-Medium

GENERAL DESCRIPTION

The garment is a hip or waist length parka with a front storm flap, a two-way zipper, and snap closures. The Parka has an adjustable waist cord, two outside hand pockets, and two inside pockets. The parka is fully lined and insulated.

TYPE ITEMS: *--All Parkas Type I—Male Type II—Female

CLASSIFICATION COE # (M/F)

*	All Parkas	*
A	Hip Length	C387/391
B	Waist Length	C388/392

		FWS # (M/F)
*	All Parkas	*
C	Hip Length	F386/390
D	Waist Length	F385/389

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A,B **Basic Material:** The material shall be 100% Taslan Nylon, 2-ply, with 3M Thinsulate--Forest Green.
- *-C,D **Basic Material:** The material shall be 100% Taslan Nylon, 2-ply, with 3M Thinsulate--dark brown.
- * **Linings:** The parka shall be fully lined. The lining shall be sewn to the insulation batting with parallel rows of stitching spaced 5 ¼" apart.
- * **Thread:** All thread except topstitching shall be minimum size 60/36. Topstitching thread shall be minimum size 40/20.
- * **Snap:** The snaps shall be 24 ligne with an enamel finish outer shell matching the color of the garment.

ATTACHMENT C

- I-*** **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be $\frac{3}{4}$ " wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 7" long with long tab single pull sliders. The tape shall be $\frac{5}{8}$ " wide.
- II-*** **Zippers:** The front zipper shall be a plastic scoop type, size 8 or equal. The zipper shall have single pull, double sliders with long tabs. The sliders shall be located mouth-to-mouth. The tape shall be $\frac{3}{4}$ " wide. The pocket zippers shall be plastic continuous element style, size 5 or equal. The zippers shall be 6" long with long tab single pull sliders. The tape shall be $\frac{5}{8}$ " wide.
- *** **Labels:** See general reference and requirements sheet.

General Instructions

- *** **Stitching:** All stitching shall be lockstitch type 301. Sleeves shall be set to front and back panels with full fell seams, $\frac{1}{4}$ " gauge.

Detail Design Characteristics

- I-*** **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with the 200 gram insulation fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be $3\frac{1}{2}$ " wide and $2\frac{3}{4}$ " wide at center back. Collar top shall be edge stitched $\frac{1}{4}$ " gauge and shall be 23" across the top. Four Male snaps shall be located 1" up from the collar seam with two located $2\frac{1}{8}$ " and two located $6\frac{3}{4}$ " to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be 18" wide. The knitted collar shall be 2" high at center back and taper off to each side. A $\frac{3}{8}$ " wide black nylon tape hanger loop, 2" long, shall be sewn into the inside collar seam at center back.
- II-*** **Collar:** The collar and collar lining shall be made from outer shell fabric and interlined with the 200 gram insulation fabric. The top of the collar shall align with the top of the front weather flaps. Collar front edges shall be $3\frac{7}{8}$ " wide and 3" wide at center back. Collar top shall be edge stitched $\frac{1}{4}$ " gauge and shall be $20\frac{1}{2}$ " across the top. Four Male snaps shall be located $\frac{3}{4}$ " up from the collar seam with two located $1\frac{3}{4}$ " and two located $5\frac{1}{4}$ " to either side of the back centerline. A knitted collar shall be sewn into the inner collar seam and shall be $15\frac{1}{2}$ " wide. The knitted collar shall be 2" high at center back and taper off to each side.
- I-A,C** **Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of $32\frac{1}{2}$ " long. The front zipper shall be 29" long. The under (right) flap shall be 1" wide and $32\frac{1}{2}$ " long and shall be sewn between the lining and the zipper tape and shell fabric on the right front. The outer (left) flap shall be $2\frac{1}{8}$ " wide and $32\frac{1}{2}$ " long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched $\frac{1}{4}$ " gauge. Seven Female snaps shall be located on the outer flap $\frac{3}{4}$ " from the front edge. Top and bottom snaps shall be $\frac{5}{8}$ " from the panel top and bottom edges. The snap second from the top shall be $4\frac{1}{8}$ " from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located $1\frac{3}{4}$ " from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 25" wide.

ATTACHMENT C

- I-B,D Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 26" long. The front zipper shall be 24" long. The under (right) flap shall be 1" wide and 26" long and shall be sewn between the lining and the zipper tape and shell fabric on the right front. The outer (left) flap shall be 2 1/8" wide and 26" long and shall be sewn between the outer shell and the left zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven Female snaps shall be located on the outer flap 3/4" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 1/8" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 25" wide.
- II-A,C Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2 1/2" of the bottom edge. The front length shall be a minimum of 31" long. The front zipper shall be 28 1/2" long. The under (left) flap shall be 1" wide and 31" long and shall be sewn between the lining and the zipper tape and shell fabric on the left front. The outer (right) flap shall be 2 1/8" wide and 31" long and shall be sewn between the outer shell and the right zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Seven Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 4 1/4" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 23" wide.
- II-B,D Front:** The front shall have a two-way zippered closure from 1" below the top of the collar to within 2" of the bottom edge. The front length shall be a minimum of 24" long. The front zipper shall be 22" long. The under (left) flap shall be 1" wide and 24" long and shall be sewn between the lining and the zipper tape and shell fabric on the left front. The outer (right) flap shall be 2 1/8" wide and 24" long and shall be sewn between the outer shell and the right zipper tape and lining fabric. Both flaps shall be interlined with a suitable non-woven fabric and edge stitched 1/4" gauge. Six Female snaps shall be located on the outer flap 5/8" from the front edge. Top and bottom snaps shall be 5/8" from the panel top and bottom edges. The snap second from the top shall be 5" from the top edge with the remaining four snaps spaced equally between the second and bottom snaps. Male snaps shall be located 1 3/4" from the front edge of the under flap in locations corresponding to the Female snaps. Half chest shall be 22" wide.
- *-A,C Drawstring:** A concealed drawstring tunnel shall be located at the waistline. The tunnel shall be formed by sewing a strip of fabric to the backside of the front and back outer shell panels. Top and bottom edges shall be turned under and topstitched 1/8" gauge. The tunnel shall finish 1" wide and run the circumference of the parka beginning and ending at front zipper tape/weather flap seams. A 3/16" diameter chrome plated black eyelet shall be located in the lining fabric within 2" of each front edge of the liner/weather flap seam. A 1/8" diameter nylon covered elastic cord shall enter through the tunnel and exit through the eyelets. The cord shall be 3" longer than each eyelet when in a fully relax state. The cord shall be knotted 1" from each end and shall have a 7/32" diameter Barreloc attached to each end close to each eyelet.
- I-A,B Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish 1/2" wide with 3/32" topstitching. The tab ends shall be turned under 1/4" and attached to the fronts with 3 rows of running tacks 1/16" from the folded edge. The badge tab shall be 2" long with two eyelets centered, 15/16" apart. The badge tab shall be located on the left front in vertical alignment with the inner edge 5 1/2" from the left front edge and the top edge 4 1/2" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, 1 7/8" apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3 1/2" from the front zipper tape and the top edge 7 1/2" below the front shoulder seam.

ATTACHMENT C

- I-C,D Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{3}{4}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $5\frac{1}{2}$ " from the left front edge and the top edge $4\frac{1}{2}$ " below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge $3\frac{1}{2}$ " from the front zipper tape and the top edge $7\frac{1}{2}$ " below the front shoulder seam.
- II-A,B Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{1}{2}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{7}{8}$ " from the left front edge and the top edge 5" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3" from the front zipper tape and the top edge 5" below the front shoulder seam.
- II-C,D Badge Reinforcement & Name Tab:** Badge and name tabs shall be constructed from the outershell fabric using seam type EF p-2 with lock stitching. The tabs shall finish $\frac{3}{4}$ " wide with $\frac{3}{32}$ " topstitching. The tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with 3 rows of running tacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two eyelets centered, $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{7}{8}$ " from the left front edge and the top edge 5" below the front shoulder seam. The name tab shall be 3" long with two eyelets centered, $1\frac{7}{8}$ " apart. The name tab shall be located on the right front in horizontal alignment with the inner edge 3" from the front zipper tape and the top edge 5" below the front shoulder seam.
- I-A,C Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be $3\frac{1}{2}$ " above the bottom front hem and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be $10\frac{1}{2}$ " from the bottom hem and $3\frac{1}{8}$ " from the side seam. The opening shall be 7" long. The welt shall be 7" long and $\frac{5}{8}$ " wide. Welt edges shall be topstitched $\frac{1}{16}$ " gauge. Pocket lining shall be outer shell fabric and shall be $6\frac{3}{4}$ " deep at center.
- A zippered patch pocket shall be located under the left front. The pocket shall be $7\frac{1}{4}$ " wide by $7\frac{3}{4}$ " deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered $1\frac{1}{2}$ " below top edge of pocket. Opening in lining shall be 6" long and $\frac{3}{4}$ " wide with inside edges turned under and topstitched $\frac{1}{16}$ " gauge. Top of pocket shall be level with bottom of armhole.
- A hook and pile closed patch pocket shall be 8" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched $\frac{1}{16}$ " gauge. The hem shall finish $\frac{3}{4}$ " wide with a $\frac{5}{8}$ " by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.
- I-B,D Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 4" above the bottom front hem and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be 11" from the bottom hem and 4" from the side seam. The opening shall be 7" long. The welt shall be 7" long and $\frac{5}{8}$ " wide. Welt edges shall be topstitched $\frac{1}{16}$ " gauge. Pocket lining shall be outer shell fabric and shall be $6\frac{3}{4}$ " deep at center.
- A zippered patch pocket shall be located under the left front. The pocket shall be $7\frac{3}{4}$ " wide by $7\frac{7}{8}$ " deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered $1\frac{1}{2}$ " below top edge of pocket. Opening in lining shall be $6\frac{1}{8}$ " long and $\frac{3}{4}$ " wide with inside edges turned under and topstitched $\frac{1}{8}$ " gauge. Top of pocket shall be level with bottom of armhole.

ATTACHMENT C

A hook and pile closed patch pocket shall be 10 ½" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

II-A,C **Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3" above the bottom front hem and 2 5/8" from the side seam. The top of the pocket opening shall be 10" from the bottom hem and 3 ¼" from the side seam. The opening shall be 6 ¾" long. The welt shall be 7" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 6" deep at center.

A zippered patch pocket shall be located under the left front. The pocket shall be 7 ¼" wide by 8" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 ½" below top edge of pocket. Opening in lining shall be 6 1/8" long and ¾" wide with inside edges turned under and topstitched 1/16" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 6 ¼" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/16" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

II-B,D **Pockets:** A zippered, single welt, hand warmer slash pocket shall be located on each front. The bottom of the pocket opening shall be 3 ¾" above the bottom front hem and 2 5/8" from the side seam. The top of the pocket opening shall be 10 ½" from the bottom hem and 4" from the side seam. The opening shall be 6 7/8" long. The welt shall be 6 7/8" long and 5/8" wide. Welt edges shall be topstitched 1/16" gauge. Pocket lining shall be outer shell fabric and shall be 6" deep at center.

A zippered patch pocket shall be located under the left front. The pocket shall be 7 ½" wide by 8" deep with a 6" opening. The pocket shall be made from lining fabric. The zipper shall be centered 1 5/8" below top edge of pocket. Opening in lining shall be 6" long and ¾" wide with inside edges turned under and topstitched 1/16" gauge. Top of pocket shall be level with bottom of armhole.

A hook and pile closed patch pocket shall be 8 ½" deep and run side seam to front seam with the top level with the bottom of the armhole. The top hem shall be turned under with the raw edge turned under and topstitched 1/8" gauge. The hem shall finish ¾" wide with a 5/8" by 4" piece of hook tape sewn to the hem, centered side-to-side. A corresponding piece of pile tape shall be sewn on the right front lining. The pocket shall be made from lining fabric.

I-A,C **Back:** The back shall be plain and shall be 33" long at center back from collar seam to bottom edge.

I-B,D **Back:** The back shall be plain and shall be 27" long at center back from collar seam to bottom edge.

II-A,C **Back:** The back shall be plain and shall be 29" long at center back from collar seam to bottom edge.

II-B,D **Back:** The back shall be plain and shall be 23" long at center back from collar seam to bottom edge.

I-A,C **Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 6 ¼" wide at the collar seam and shall be 33" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.

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- I-B,D Sleeves:** The sleeves shall be raglan, one-piece construction. The sleeve head shall be 6 ¼" wide at the collar seam and shall be 32" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- II-A,C Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5" wide at the collar seam and shall be 30 ½" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- II-B,D Sleeves:** The sleeves shall be raglan, one piece construction. The sleeve head shall be 5 ¼" wide at the collar seam and shall be 31" long from collar seam to bottom edge. Sleeves shall be interlined with 200 gram insulation and lined to within 3" of bottom. Outer shell fabric shall extend up inside the sleeves 3" and sewn to the lining. The bottom edge of the sleeve shall be edge stitched 5/8" gauge.
- * Cuffs:** A 3" wide knitted cuff shall be sewn into the lining/outershell seam.
- I-A,C Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be 3/4" wide.
- I-B,D Bottoms:** The bottom shall be finished with a 2" wide waistband. Elastic 2" wide by 11" long shall be sewn inside. Each side of the waistband shall start 6 ¼" from each front edge. The elastic shall be stitched to the waistband and lining 1" from the bottom edge. The center back and front sections of the waistband shall be insulated. The center back section shall finish 9 ¾" wide. The waistband and waistband lining shall be outer shell fabric. The bottom of front and back sections shall be edgestitched, ¼" gauge.
- II-A,C Bottoms:** The bottom outer shell fabric shall be turned up to the inside with raw edge turned under and edge stitched 1/8" gauge. The hem shall be 3/4" wide.
- II-B,D Bottoms:** The bottom shall be finished with a 2" wide waistband. Elastic 2" wide by 8" long shall be sewn inside. Each side of the waistband shall start 6 3/8" from each front edge. The elastic shall be stitched to the waistband and lining 1" from the bottom edge. The center back and front sections of the waistband shall be insulated. The center back section shall finish 9 ½" wide. The waistband and waistband lining shall be outer shell fabric. The bottom of front and back sections shall be edgestitched, ¼" gauge.
- * Patch:** The organizations ensign shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 6-3/4" below the collar seam. (Raglan sleeves) The patch shall to be sewn with inconspicuous stitching using red thread to match the emblem border color.

ATTACHMENT C

Sizes and Measurements

Finished Dimensions

I-A,C **Sizes:** S, M, L, XL in regular and long, XXL-XXXXL in regular only.

I-B,D **Sizes:** S, M, L, XL in regular and long, XXL in regular only.

II-* **Sizes:** S, M, L, XL

ATTACHMENT C

F396 Patch, FWS Law Enforcement

Sample Size: N/A

GENERAL DESCRIPTION

U.S. Fish and Wildlife Service law enforcement patch.

TYPE ITEMS: *--All Patches

CLASSIFICATION

* All Patches

SALIENT CHARACTERISTICS

Components

* **Background Material:** The background material shall be light tan polyester.

* **Embroidery Colors:**

Color	Cable Color	Denier
Charcoal Brown FD 54	N/A	90/2
Visor Gold FD 75	Golden Light HG 67107	90/2
Amberlite FD B 65	Buff HAK 67135	90/2
Yellow FD B 79	N/A	90/2
Process Blue FD 48	N/A	90/2
White FD 008	White HA 67101	90/2
Imperial Blue FD BA	Corsaire Blue HCB 67177	90/2

* **Overlocked Merrow Edge Color**

Color	Cable Color	Denier
Amberlite FD B 65	Buff HAK 67135	90/2

General Instructions

* **Embroidering:**

A four mil polyurethane film sheet shall be applied to the back side of the basic material prior to embroidering to stabilize the material in the loom. Patches shall be machine embroidered on swiss embroidery looms with automats and shall not be produced on multihead equipment.

For uniformity, all detail shall be the same height, composition, and weight as indicated on the design; stiehle borders shall be the same thickness all the way around the elements they enclose; design features shall be the same height and thickness. Design features shall be clearly delineated; and all materials, elements and colors of the patches shall be of the same construction, size thickness depths, shades and raidainces as those of the established patch design standards.

ATTACHMENT C

* **Stitching:**

- * Each patch shall contain not less than 8,629 stitches or 17,244 revolutions, not including the stitching in the overlocked merrow edges.

A stitch is defined as the length of thread between two needle entry points. One stitch is further identified as that space on a Schiffli embroidery program roll between two transport holes. One meter equals one hundred stitches. Offerors shall indicate the number of stitches, and revolutions, in their submissions.

Stitch scale shall be of sufficient density as to preclude the “bleeding”, or see through, of the background material, and uneven matting, register, of color elements. There shall be sufficient underlay stitching to give a three-dimensional, high relief appearance, and shall have the exact appearance as the standard sample. No stitch shall be greater than ten millimeters in length. Double thread or any thread of different deniers or plys or composition shall not be permitted.

Over Lock Merrow Edges: Overlocked merrow edges shall be applied to the patches after the loom operation. Zig-zag stitches, in the configuration of alternating V’s and inverted V’s, supported by running stitches shall be applied around the entire periphery of the individual patches, under the overlocked merrow edge, to prevent the merrow edge from pulling away from the base material. Straight line running stitches alone shall not serve this purpose, buttonhole stitched edges under the merrow edges do not meet this requirement.

- * The edges shall consist of seven separate threads: five 135/2 denier polyester threads for the top, or front, portion of the edges, and two 20/2 denier cotton threads for the underneath, or back side, of the edges. Fewer threads or other materials are not permitted.

The overlocked merrow edge density shall be at least twenty threads per inch. The edges shall be overrun a minimum of 3/8”, and the seven end threads shall be pulled through the entire length of the overrun to prevent raveling. Threads shall not be pasted down, taped, knotted, tied, fused into, or onto, or under the plastic film backing, cut off, tucked under, or chained off, but all seven threads shall be pulled through the entire length of the overrun.

- * The color of the merrow yarn shall be Amberlite 90/2 denier.

- * **Finishing:** A four mil polyurethane film sheet shall be bonded to the back side of the patches before cutting. Sufficient heat shall be applied to cause the film to melt and bond to the fabric and bobbin threads. The film shall be capable of withstanding 52 home, commercial and industrial launderings. The film shall not stiffen nor crack during laundering.

The film shall be applied in a manner to preclude the crushing, flattening, or depressing of the three-dimensionality or high relief of the embroidery, caused by the application of pressure during the bonding process; not shall there be jump stitch indentations on the fronts of the patches. The film sheet shall be applied to the span of loom patches prior to die cutting in the manufacturers own facilities. This process nor any other shall be subcontracted.

The film backing shall completely engulf all the raised elements on the reverse, back, side of the patches, and fill all depressions. All patches shall be die cut with forged steel dies to the exact shape and geometry of the approved design.

ATTACHMENT C

- * **Workmanship:** No distortion of the exterior shape of the patch is allowable. All patches shall show a clear-cut execution, and shall be clean, neatly made, with full tension on all threads so that they lie completely flat on a smooth surface. Threads shall not buckle nor show underlay stitching when patches are bent. There shall be no broken stitches in the patches; not shall any stitches be out of proper alignment. No parts of the patches shall be mended.
- * **Production Samples:** Submit 12 actual loom production lot samples to the Agency COTR for approval prior to shipment.

Sizes and Measurements

Finished Dimensions

- * Patches shall measure 2 1/4" at the widest part by 3 3/8" high at the highest point.

ATTACHMENT C

F397 Patch, FWS Service Large

Specifications are identical for the following other component:

F398 Patch, FWS Service Small

Sample Size: N/A

GENERAL DESCRIPTION

USFWS service patches

TYPE ITEMS: *--All Patches

CLASSIFICATION	FWS# (M/F)
* All Patches	*
A Large	F397
B Small	F398

SALIENT CHARACTERISTICS

Components

* **Background Material:** The background material shall be vat dyed 6 ¾ to 7 1/2 ounce/yd 65/35 Poly Cotton cured and preshrunk (resin impregnated and oven cured). Tensile strength shall be a minimum of 150/110pounds. The color of the background material shall be white.

Thread: Embroidery thread shall be continuous filament rayon yarn Thread color and denier standards are obtainable from Robin-Anton (R/A# below), 175 Bergen Boulevard, Fairview, New Jersey 07022. Standards are:

* COLOR R/A	CABLE COLORS	DENIER
Spun Gold FD75	Golden Light HG 67107	150/2
Yellow FDB79	Lemon Yellow Hat 67144	150/2
Pacific Blue FD117	-----	150/2
Light Maize FD125	M.C. Antique White 67139	150/2
Amberlite FDB65	Buff Hak67135	150/2
Beige FD118	Eggshell HAQ67141	150/2
African Brown FD54	-----	150/2
Imperial Blue FDB4	Corsaire Blue HCB 67177	150/2

ATTACHMENT C

General Instructions

* **Embroidering:**

A four mil polyurethane film sheet shall be applied to the back side of the basic material prior to embroidering to stabilize the material in the loom. Patches shall be machine embroidered on swiss embroidery looms with automats and shall not be produced on multihead equipment.

For uniformity, all detail shall be the same height, composition, and weight as indicated on the design; stiehle borders shall be the same thickness all the way around the elements they enclose; design features shall be the same height and thickness. Design features shall be clearly delineated; and all materials, elements and colors of the patches shall be of the same construction, size thickness depths, shades and raidinces as those of the established patch design standards.

* **Stitching:**

Each patch shall contain not less than 8,640 stitches or 17.280 revolutions, not including the stitching in the overlocked merrow edges.

A stitch is defined as the length of thread between two needle entry points. One stitch is further identified as that space on a Schiffli embroidery program roll between two transport holes. One meter equals one hundred stitches. Bidders shall indicate the number of stitches (and revolutions) in their submissions.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a three-dimensional, high relief appearance, and shall have the exact appearance as the standard sample. No stitch shall be greater than ten millimeters in length. Double thread or any thread of different deniers or plys or composition shall not be permitted.

Over Lock Merrow Edges: Overlocked merrow edges shall be applied to the patches after the loom operation. Zig-zag stitches (in the configuration of alternating V’s and inverted V’s), supported by running stitches shall be applied around the entire periphery of the individual patches, under the overlocked merrow edge, to prevent the merrow edge from pulling away from the base material. Straight line running stitches alone shall not serve this purpose, buttonhole stitched edges under the merrow edges do not meet this requirement.

The edges shall consist of seven separate threads: five 150.2 denier rayon threads for the top (or front) portion of the edges, and two 20/2 denier cotton threads for the underneath (or back side) of the edges. Fewer threads or other materials are not permitted.

The overlocked merrow edge density shall be at least twenty threads per inch. The edges shall be overrun a minimum of 3/8”, and the seven end threads shall be pulled through the entire length of the overrun to prevent raveling. Threads shall not be pasted down, taped, knotted, tied, fused into, or onto, or under the plastic film backing, cut off, tucked under, or chained off, but all seven thread shall be pulled through the entire length of the overrun.

* The color of the merrow yarn shall be African Brown FD54.

ATTACHMENT C

- * **Finishing:** A four mil polyurethane film sheet shall be bonded to the back side of the patches before die cutting. Sufficient heat shall be applied to cause the film to melt and bond to the fabric and bobbin threads. The film shall be capable of withstanding home, commercial and industrial laundering. The film shall not stiffen nor crack during laundering.

The film shall be applied in a manner to preclude the crushing, flattening, or depressing of the three-dimensionality or high relief of the embroidery, caused by the application of pressure during the bonding process; not shall there be jump stitch indentations on the fronts of the patches. The film sheet shall be applied to the span of loom patches prior to die cutting in the manufacturers own facilities. This process nor any other shall be subcontracted.

The film backing shall completely engulf all the raised elements on the reverse (back) side of the patches, and fill all depressions. All patches shall be die cut with forged steel dies to the exact shape and geometry of the approved design.

- * **Workmanship:** No distortion of the exterior shape of the patch is allowable. All patches shall show a clear-cut execution, and shall be clean, neatly made, with full tension on all threads so that they lie completely flat on a smooth surface. Threads shall not buckle nor show underlay stitching when patches are bent. There shall be no broken stitches in the patches; not shall any stitches be out of proper alignment. No parts of the patches shall be mended.

- * **Production Samples:** Submit 12 actual loom production lots to the USFWS COTR for approval prior to shipment.

Sizes and Measurements

Finished Dimensions

- *-A Large patches shall measure 3 5/8" at the widest part by 4 3/8" high at the highest point.
- *-B Small patches shall measure 3 1/8" at the widest part by 3 7/8" high at the highest point.

ATTACHMENT C

F398 Patch, FWS Service Small

Specifications are identical for the following other component:

F397 Patch, FWS Service Large

Sample Size: N/A

GENERAL DESCRIPTION

USFWS Service Patches

TYPE ITEMS: *--All Patches

CLASSIFICATION	FWS# (M/F)
* All Patches	*
A Large	F397
B Small	F398

SALIENT CHARACTERISTICS

Components

* **Background Material:** The background material shall be vat dyed 6 ¾ to 7 1/2 ounce/yd 65/35 Poly Cotton cured and preshrunk (resin impregnated and oven cured). Tensile strength shall be a minimum of 150/110pounds. The color of the background material shall be white.

Thread: Embroidery thread shall be continuous filament rayon yarn Thread color and denier standards are obtainable from Robin-Anton (R/A# below), 175 Bergen Boulevard, Fairview , New Jersey 07022. Standards are:

* COLOR R/A	CABLE COLORS	DENIER
Spun Gold FD75	Golden Light HG 67107	150/2
Yellow FDB79	Lemon Yellow Hat 67144	150/2
Pacific Blue FD117	-----	150/2
Light Maize FD125	M.C. Antique White 67139	150/2
Amberlite FDB65	Buff Hak67135	150/2
Beige FD118	Eggshell HAQ67141	150/2
African Brown FD54	-----	150/2
Imperial Blue FDB4	Corsaire Blue HCB 67177	150/2

ATTACHMENT C

General Instructions

* **Embroidering:**

A four mil polyurethane film sheet shall be applied to the back side of the basic material prior to embroidering to stabilize the material in the loom. Patches shall be machine embroidered on swiss embroidery looms with automats and shall not be produced on multihead equipment.

For uniformity, all detail shall be the same height, composition, and weight as indicated on the design; stiehle borders shall be the same thickness all the way around the elements they enclose; design features shall be the same height and thickness. Design features shall be clearly delineated; and all materials, elements and colors of the patches shall be of the same construction, size thickness depths, shades and raidinances as those of the established patch design standards.

* **Stitching:**

Each patch shall contain not less than 8,640 stitches or 17.280 revolutions, not including the stitching in the overlocked merrow edges.

A stitch is defined as the length of thread between two needle entry points. One stitch is further identified as that space on a Schiffli embroidery program roll between two transport holes. One meter equals one hundred stitches. Bidders shall indicate the number of stitches (and revolutions) in their submissions.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a three-dimensional, high relief appearance, and shall have the exact appearance as the standard sample. No stitch shall be greater than ten millimeters in length. Double thread or any thread of different deniers or plys or composition shall not be permitted.

Over Lock Merrow Edges: Overlocked merrow edges shall be applied to the patches after the loom operation. Zig-zag stitches (in the configuration of alternating V’s and inverted V’s), supported by running stitches shall be applied around the entire periphery of the individual patches, under the overlocked merrow edge, to prevent the merrow edge from pulling away from the base material. Straight line running stitches alone shall not serve this purpose, buttonhole stitched edges under the merrow edges do not meet this requirement.

The edges shall consist of seven separate threads: five 150.2 denier rayon threads for the top (or front) portion of the edges, and two 20/2 denier cotton threads for the underneath (or back side) of the edges. Fewer threads or other materials are not permitted.

The overlocked merrow edge density shall be at least twenty threads per inch. The edges shall be overrun a minimum of 3/8”, and the seven end threads shall be pulled through the entire length of the overrun to prevent raveling. Threads shall not be pasted down, taped, knotted, tied, fused into, or onto, or under the plastic film backing, cut off, tucked under, or chained off, but all seven thread shall be pulled through the entire length of the overrun.

* The color of the merrow yarn shall be African Brown FD54.

ATTACHMENT C

- * **Finishing:** A four mil polyurethane film sheet shall be bonded to the back side of the patches before die cutting. Sufficient heat shall be applied to cause the film to melt and bond to the fabric and bobbin threads. The film shall be capable of withstanding home, commercial and industrial laundering. The film shall not stiffen nor crack during laundering.

The film shall be applied in a manner to preclude the crushing, flattening, or depressing of the three-dimensionality or high relief of the embroidery, caused by the application of pressure during the bonding process; not shall there be jump stitch indentations on the fronts of the patches. The film sheet shall be applied to the span of loom patches prior to die cutting in the manufacturers own facilities. This process nor any other shall be subcontracted.

The film backing shall completely engulf all the raised elements on the reverse (back) side of the patches, and fill all depressions. All patches shall be die cut with forged steel dies to the exact shape and geometry of the approved design.

- * **Workmanship:** No distortion of the exterior shape of the patch is allowable. All patches shall show a clear-cut execution, and shall be clean, neatly made, with full tension on all threads so that they lie completely flat on a smooth surface. Threads shall not buckle nor show underlay stitching when patches are bent. There shall be no broken stitches in the patches; not shall any stitches be out of proper alignment. No parts of the patches shall be mended.

- * **Production Samples:** Submit 12 actual loom production lots to the USFWS COTR for approval prior to shipment.

Sizes and Measurements

Finished Dimensions

- *-A Large patches shall measure 3 5/8" at the widest part by 4 3/8" high at the highest point.
- *-B Small patches shall measure 3 1/8" at the widest part by 3 7/8" high at the highest point.

ATTACHMENT C

F401 Patch, FWS Volunteer Small

Specifications are identical for the following other component:

F403 Patch, FWS Volunteer Large

Sample Size: N/A

GENERAL DESCRIPTION

USFWS Service Patches

TYPE ITEMS: *--All Patches

CLASSIFICATION	FWS# (M/F)
* All Patches	*
A Large	F403
B Small	F401

SALIENT CHARACTERISTICS

Components

*-A **Background Material:** The background material shall be vat dyed 6 ¾ to 7 1/2 ounce/yd 65/35 Poly Cotton cured and preshrunk (resin impregnated and oven cured). Tensile strength shall be a minimum of 150/110pounds. The color of the background material shall be white.

*-B **Background Material:** The background material shall be vat dyed 6 ¾ to 7 1/2 ounce/yd 65/35 Poly Cotton or polyester cured and preshrunk (resin impregnated and oven cured). Tensile strength shall be a minimum of 150/110pounds. The color of the background material shall be navy blue.

Thread: Embroidery thread shall be continuous filament rayon yarn Thread color and denier standards are obtainable from Robin-Anton (R/A# below), 175 Bergen Boulevard, Fairview , New Jersey 07022. Standards are:

*-A	COLOR R/A	CABLE COLORS	DENIER
	Yellow FDB79	Lemon Yellow Hat 67144	150/2
	Pacific Blue FD117	-----	150/2
	Spun Gold FD75	Golden Light HG 67107	150/2
	Light Maize FD125	M.C. Antique White 67139	100/2
	Amberlite FDB65	Buff Hak 67135	150/2
	Beige FD118	Eggshell HAQ 67141	150/2
	African Brown FD54	-----	100/2
	Imperial Blue FDB4	Corsaire Blue HCB 67177	150/2
*-B	COLOR	CABLE COLOR	DENIER
	Visor Gold FD 75	Golden Light HG 67107	90/2
	Yellow FDB 79		90/2
	Process Blue FD 48		90/2
	Amberlite FDB 65	Buff HAK 67135	90/2
	Lt. Buff FD 125	MC Antique White	90/2
	Tan FD 118	HAO 67139	90/2
	Imperial Blue FDB 4	Corsaire Blue HCB 67177	90/2

ATTACHMENT C

General Instructions

*** Embroidering:**

A four mil polyurethane film sheet shall be applied to the back side of the basic material prior to embroidering to stabilize the material in the loom. Patches shall be machine embroidered on swiss embroidery looms with automats and shall not be produced on multihead equipment (Multiheads are permitted for Type B patches).

For uniformity, all detail shall be the same height, composition, and weight as indicated on the design; stiehle borders shall be the same thickness all the way around the elements they enclose; design features shall be the same height and thickness. Design features shall be clearly delineated; and all materials, elements and colors of the patches shall be of the same construction, size thickness depths, shades and raidainces as those of the established patch design standards.

*** Stitching:** N/A.

***-A** Each patch shall contain not less than 12,357 stitches or 24,714 revolutions, not including the stitching in the overlocked merrow edges.

***-B** Each patch shall contain not less than 5,767 stitches or 11,534 revolutions, not including the stitching in the overlocked merrow edges.

A stitch is defined as the length of thread between two needle entry points. One stitch is further identified as that space on a Schiffli embroidery program roll between two transport holes. One meter equals one hundred stitches. Bidders shall indicate the number of stitches (and revolutions) in their submissions.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a three-dimensional, high relief appearance, and shall have the exact appearance as the standard sample. No stitch shall be greater than ten millimeters in length. Double thread or any thread of different deniers or plys or composition shall not be permitted.

Over Lock Merrow Edges: Overlocked merrow edges shall be applied to the patches after the loom operation. Zig-zag stitches (in the configuration of alternating V’s and inverted V’s), supported by running stitches shall be applied around the entire periphery of the individual patches, under the overlocked merrow edge, to prevent the merrow edge from pulling away from the base material. Straight line running stitches alone shall not serve this purpose, buttonhole stitched edges under the merrow edges do not meet this requirement.

***-A** The edges shall consist of seven separate threads: five 150/2 denier rayon threads for the top (or front) portion of the edges, and two 20/2 denier cotton threads for the underneath (or back side) of the edges. Fewer threads or other materials are not permitted.

***-B** The edges shall consist of seven separate threads: five 135/2 denier polyester threads for the top (or front) portion of the edges, and two 20/2 denier cotton threads for the underneath (or back side) of the edges. Fewer threads or other materials are not permitted.

The overlocked merrow edge density shall be at least twenty threads per inch. The edges shall be overrun a minimum of 3/8”, and the seven end threads shall be pulled through the entire length of the overrun to prevent raveling. Threads shall not be pasted down, taped, knotted, tied, fused into, or onto, or under the plastic film backing, cut off, tucked under, or chained off, but all seven thread shall be pulled through the entire length of the overrun.

***-A** The color of the merrow yarn shall be Imperial Blue FDB4.

ATTACHMENT C

*-B The color of the merrow yarn shall be Corsaire Blue 4CB67177, 155/2 denier.

* **Finishing:** A four mil polyurethane film sheet shall be bonded to the back side of the patches before cutting. Sufficient heat shall be applied to cause the film to melt and bond to the fabric and bobbin threads. The film shall be capable of withstanding 52 home, commercial and industrial launderings. The film shall not stiffen nor crack during laundering.

The film shall be applied in a manner to preclude the crushing, flattening, or depressing of the three-dimensionality or high relief of the embroidery, caused by the application of pressure during the bonding process; not shall there be jump stitch indentations on the fronts of the patches. The film sheet shall be applied to the span of loom patches prior to die cutting in the manufacturers own facilities. This process nor any other shall be subcontracted.

The film backing shall completely engulf all the raised elements on the reverse (back) side of the patches, and fill all depressions. All patches shall be die cut with forged steel dies to the exact shape and geometry of the approved design.

* **Workmanship:** No distortion of the exterior shape of the patch is allowable. All patches shall show a clear-cut execution, and shall be clean, neatly made, with full tension on all threads so that they lie completely flat on a smooth surface. Threads shall not buckle nor show underlay stitching when patches are bent. There shall be no broken stitches in the patches; not shall any stitches be out of proper alignment. No parts of the patches shall be mended.

* **Production Samples:** Submit 12 actual loom production lots to the Agency COTR for approval prior to shipment.

Sizes and Measurements

Finished Dimensions:

*-A Large patches shall measure 3 3/8" at the widest part by 3 13/16" high at the highest point.

*-B Small patches shall measure 2 5/8" at the widest part by 2 5/16" high at the highest point.

ATTACHMENT C

F403 Patch, FWS Volunteer Large

Specifications are identical for the following other component:

F401 Patch, FWS Volunteer Small

Sample Size: N/A

GENERAL DESCRIPTION

USFWS Service Patches

TYPE ITEMS: *--All Patches

CLASSIFICATION	FWS# (M/F)
* All Patches	*
A Large	F403
B Small	F401

SALIENT CHARACTERISTICS

Components

*-A **Background Material:** The background material shall be vat dyed 6 ¾ to 7 1/2 ounce/yd 65/35 Poly Cotton cured and preshrunk (resin impregnated and oven cured). Tensile strength shall be a minimum of 150/110pounds. The color of the background material shall be white.

*-B **Background Material:** The background material shall be vat dyed 6 ¾ to 7 1/2 ounce/yd 65/35 Poly Cotton or polyester cured and preshrunk (resin impregnated and oven cured). Tensile strength shall be a minimum of 150/110pounds. The color of the background material shall be navy blue.

Thread: Embroidery thread shall be continuous filament rayon yarn Thread color and denier standards are obtainable from Robin-Anton (R/A# below), 175 Bergen Boulevard, Fairview , New Jersey 07022. Standards are:

*-A	COLOR R/A	CABLE COLORS	DENIER
	Yellow FDB79	Lemon Yellow Hat 67144	150/2
	Pacific Blue FD117	-----	150/2
	Spun Gold FD75	Golden Light HG 67107	150/2
	Light Maize FD125	M.C. Antique White 67139	100/2
	Amberlite FDB65	Buff Hak 67135	150/2
	Beige FD118	Eggshell HAQ 67141	150/2
	African Brown FD54	-----	100/2
	Imperial Blue FDB4	Corsaire Blue HCB 67177	150/2
*-B	COLOR	CABLE COLOR	DENIER
	Visor Gold FD 75	Golden Light HG 67107	90/2
	Yellow FDB 79		90/2
	Process Blue FD 48		90/2
	Amberlite FDB 65	Buff HAK 67135	90/2
	Lt. Buff FD 125	MC Antique White	90/2
	Tan FD 118	HAO 67139	90/2
	Imperial Blue FDB 4	Corsaire Blue HCB 67177	90/2

ATTACHMENT C

General Instructions

*** Embroidering:**

A four mil polyurethane film sheet shall be applied to the back side of the basic material prior to embroidering to stabilize the material in the loom. Patches shall be machine embroidered on swiss embroidery looms with automats and shall not be produced on multihead equipment (Multiheads are permitted for Type B patches).

For uniformity, all detail shall be the same height, composition, and weight as indicated on the design; stiehle borders shall be the same thickness all the way around the elements they enclose; design features shall be the same height and thickness. Design features shall be clearly delineated; and all materials, elements and colors of the patches shall be of the same construction, size thickness depths, shades and raidainces as those of the established patch design standards.

*** Stitching:** N/A.

***-A** Each patch shall contain not less than 12,357 stitches or 24,714 revolutions, not including the stitching in the overlocked merrow edges.

***-B** Each patch shall contain not less than 5,767 stitches or 11,534 revolutions, not including the stitching in the overlocked merrow edges.

A stitch is defined as the length of thread between two needle entry points. One stitch is further identified as that space on a Schiffli embroidery program roll between two transport holes. One meter equals one hundred stitches. Bidders shall indicate the number of stitches (and revolutions) in their submissions.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a three-dimensional, high relief appearance, and shall have the exact appearance as the standard sample. No stitch shall be greater than ten millimeters in length. Double thread or any thread of different deniers or plys or composition shall not be permitted.

Over Lock Merrow Edges: Overlocked merrow edges shall be applied to the patches after the loom operation. Zig-zag stitches (in the configuration of alternating V’s and inverted V’s), supported by running stitches shall be applied around the entire periphery of the individual patches, under the overlocked merrow edge, to prevent the merrow edge from pulling away from the base material. Straight line running stitches alone shall not serve this purpose, buttonhole stitched edges under the merrow edges do not meet this requirement.

***-A** The edges shall consist of seven separate threads: five 150/2 denier rayon threads for the top (or front) portion of the edges, and two 20/2 denier cotton threads for the underneath (or back side) of the edges. Fewer threads or other materials are not permitted.

***-B** The edges shall consist of seven separate threads: five 135/2 denier polyester threads for the top (or front) portion of the edges, and two 20/2 denier cotton threads for the underneath (or back side) of the edges. Fewer threads or other materials are not permitted.

The overlocked merrow edge density shall be at least twenty threads per inch. The edges shall be overrun a minimum of 3/8”, and the seven end threads shall be pulled through the entire length of the overrun to prevent raveling. Threads shall not be pasted down, taped, knotted, tied, fused into, or onto, or under the plastic film backing, cut off, tucked under, or chained off, but all seven thread shall be pulled through the entire length of the overrun.

***-A** The color of the merrow yarn shall be Imperial Blue FDB4.

ATTACHMENT C

*-B The color of the merrow yarn shall be Corsaire Blue 4CB67177, 155/2 denier.

* **Finishing:** A four mil polyurethane film sheet shall be bonded to the back side of the patches before cutting. Sufficient heat shall be applied to cause the film to melt and bond to the fabric and bobbin threads. The film shall be capable of withstanding 52 home, commercial and industrial launderings. The film shall not stiffen nor crack during laundering.

The film shall be applied in a manner to preclude the crushing, flattening, or depressing of the three-dimensionality or high relief of the embroidery, caused by the application of pressure during the bonding process; not shall there be jump stitch indentations on the fronts of the patches. The film sheet shall be applied to the span of loom patches prior to die cutting in the manufacturers own facilities. This process nor any other shall be subcontracted.

The film backing shall completely engulf all the raised elements on the reverse (back) side of the patches, and fill all depressions. All patches shall be die cut with forged steel dies to the exact shape and geometry of the approved design.

* **Workmanship:** No distortion of the exterior shape of the patch is allowable. All patches shall show a clear-cut execution, and shall be clean, neatly made, with full tension on all threads so that they lie completely flat on a smooth surface. Threads shall not buckle nor show underlay stitching when patches are bent. There shall be no broken stitches in the patches; not shall any stitches be out of proper alignment. No parts of the patches shall be mended.

* **Production Samples:** Submit 12 actual loom production lots to the Agency COTR for approval prior to shipment.

Sizes and Measurements

Finished Dimensions:

*-A Large patches shall measure 3 3/8" at the widest part by 3 13/16" high at the highest point.

*-B Small patches shall measure 2 5/8" at the widest part by 2 5/16" high at the highest point.

ATTACHMENT C

F404 Pin, ID, Volunteer

Sample Size: One size.

GENERAL DESCRIPTION

Metal uniform volunteer name pin.

TYPE ITEM: *--Male and Female

CLASSIFICATION

* All Items

SALIENT CHARACTERISTICS

Components

* **Basic Material:** The material shall be brass, alloy #342, 65% copper, 2% lead, 33% zinc.

General Instructions

* **Forming:** Coin in hydraulic press to shape including recess for USF&W volunteer logo.

* **Coating:** Electroplate gold Hamilton shading, spray and bake clear coating epoxy baking lacquer.

* **Curing:** Cure plastic lens at room temperature for 24 hours.

* **Finishing:** De-burr and smooth edges and comers. Polish front, mask off border and sandblast center for two-tone effect.

*

Detail Design Characteristics

* **Fasteners:** Electron fuse 2 clutch nails, 5/16" length. Apply ballou #56 grippers.

* **Engraving:** Pantograph gothic medium extended letters 7/32" height, .020 line width, .010 deep. First and last name. Fill with dark brown air dry enamel PMS 463.

ATTACHMENT C

F405 Inspector Patch

Sample Size: N/A

GENERAL DESCRIPTION

USFWS Service Patches

TYPE ITEMS: *--All Patches

CLASSIFICATION FWS# (M/F)

* All Patches *

SALIENT CHARACTERISTICS

Components

- * Background: 100% polyester
- * Background color: Light Tan
- * Embroidery Colors:

COLOR	CABLE COLORS	DENIER
Charcoal Brown FD 54	N/A	90/2
Visor Cold FD 75	Golden Light HF 67107	90/2
Amberlite FD B 65	Buff HAK 67135	90/2
Yellow FD B 79	N/A	90/2
Process Blue FD 48	N/A	90/2
White FD 008	White HA 67101	90/2
Imperial Blue FD BA	Corsaire Blue HCB 67177	90/2
• Overlocked Merrow Edge Color		
Amberlite FD B 65	Buff HAK 67135	90/2

General Instructions

* Embroidering:

A four mil polyurethane film sheet shall be applied to the back side of the basic material prior to embroidering to stabilize the material in the loom. Patches shall be machine embroidered on swiss embroidery looms with automats and shall not be produced on multihead equipment.

For uniformity, all detail shall be the same height, composition, and weight as indicated on the design; stiehle borders shall be the same thickness all the way around the elements they enclose; design features shall be the same height and thickness. Design features shall be clearly delineated; and all materials, elements and colors of the patches shall be of the same construction, size, thickness depths, shades and raidinances as those of the established patch design standards.

ATTACHMENT C

*** Stitching:**

Each patch shall contain not less than 8,629 stitches or 17,244 revolutions, not including the stitching in the overlapped merrow edges.

A stitch is defined as the length of thread between two needle entry points. One stitch is further identified as that space on a Schiffli embroidery program roll between two transport holes. One meter equals one hundred stitches. Bidders shall indicate the number of stitches (and revolutions) in their submissions.

Stitch scale shall be of sufficient density as to preclude the “bleeding”, or see through, of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a three-dimensional, high relief appearance, and shall have the exact appearance as the standard sample. No stitch shall be greater than ten millimeters in length. Double thread or any thread of different deniers or plys or composition shall not be permitted.

*** Over Lock Merrow Edges:** Overlapped merrow edges shall be applied to the patches after the loom operation. Zig-zag stitches, in the configuration of alternating V’s and inverted V’s, supported by running stitches shall be applied around the entire periphery of the individual patches, under the overlapped merrow edge, to prevent the merrow edge from pulling away from the base material. Straight line running stitches alone shall not serve this purpose, buttonhole stitched edges under the merrow edges do not meet this requirement.

The edges shall consist of seven separate threads: five 135/2 denier polyester threads for the top (or front) portion of the edges, and two 20/2 denier cotton threads for the underneath (or back side) of the edges. Fewer threads or other materials are not permitted.

The overlapped merrow edge density shall be at least twenty threads per inch. The edges shall be overrun a minimum of 3/8”, and the seven end threads shall be pulled through the entire length of the overrun to prevent raveling. Threads shall not be pasted down, taped, knotted, tied, fused into, or onto, or under the plastic film backing, cut off, tucked under, or chained off, but all seven thread shall be pulled through the entire length of the overrun.

***-A The color of the merrow yarn shall be Imperial Blue FDB4.**

***-B The color of the merrow yarn shall be Corsaire Blue 4CB67177, 155/2 denier.**

*** Finishing:** A four mil polyurethane film sheet shall be bonded to the back side of the patches before cutting. Sufficient heat shall be applied to cause the film to melt and bond to the fabric and bobbin threads. The film shall be capable of withstanding 52 home, commercial and industrial launderings. The film shall not stiffen nor crack during laundering.

The film shall be applied in a manner to preclude the crushing, flattening, or depressing of the three-dimensionality or high relief of the embroidery, caused by the application of pressure during the bonding process; not shall there be jump stitch indentations on the fronts of the patches. The film sheet shall be applied to the span of loom patches prior to die cutting in the manufacturers own facilities. This process nor any other shall be subcontracted.

The film backing shall completely engulf all the raised elements on the reverse (back) side of the patches, and fill all depressions. All patches shall be die cut with forged steel dies to the exact shape and geometry of the approved design.

ATTACHMENT C

- * **Workmanship:** No distortion of the exterior shape of the patch is allowable. All patches shall show a clear-cut execution, and shall be clean, neatly made, with full tension on all threads so that they lie completely flat on a smooth surface. Threads shall not buckle nor show underlay stitching when patches are bent. There shall be no broken stitches in the patches; not shall any stitches be out of proper alignment. No parts of the patches shall be mended.
- * **Production Samples:** Submit 12 actual loom production lots to the Agency COTR for approval prior to shipment.

Sizes and Measurements

Finished Dimensions:

- * Patches shall measure 2 1/4" at the widest part by 3 3/8" high at the highest point.

ATTACHMENT C

F410 Boots, Female Roper

Dc

Specifications are identical for the following other component:

F409 Boots, Male Roper

Sample Size: N/A

GENERAL DESCRIPTION

The boot shall be Justin style 3163 or equal. The toe shall be the J11 Roper. The heel shall be 1 1/8" (roper/lacer). The boot shall be 10" in height. It shall have a hard counter thermal cushion and no mid sole.

TYPE ITEMS: *--All Boots Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)
* All Boots *
 F409/
 F410

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The leather shall be smooth cowhide, the vamp lining shall be maple cow. The quarter lining shall be maple pig.
- * **Insole:** The insole shall be Texon.
- * **Outsole:** The outsole shall be Nitrile.
- * **Color:** The color shall be Chestnut and marbled deerlite.

Sizes and Measurements

Finished Dimensions

I-*	Sizes:	B 8-12 D 7-12, 13 EE 7-12, 13
II-*	Sizes:	A 6 ½-10 B 5-10, 11 C 6-10

ATTACHMENT C

F417 Shirt, Knit, Grey Cotton

Specifications are identical for the following other components:

F418 Shirt, Knit, Royal Blue Cotton

F419 Shirt, Knit, Sand Cotton

F420 Shirt, Knit, White Cotton, Volunteer

Sample Size: All dimensions are based on size L.

GENERAL DESCRIPTION

Short sleeve, fashion collar, 2 button, slant top, clean finish, Allen Solly placket shirt. Edge-stitched top and bottom with ¼" box, ¼" topstitch front shoulders, welt cuff, and split tail with clean finish side vents.

TYPE ITEMS: *--All Shirts

CLASSIFICATION	FWS #
* All Shirts	*
A Ash Grey	F417
B Royal Blue	F418
C Sand	F419
D White-Volunteer	F420
E Khaki	
F Light Olive	

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Ash Grey.
- *-B **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Royal Blue.
- *-C **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Sand.
- *-D **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., White.
- *-E **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Khaki.
- *-F **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Light Olive.
- * **Buttons:** Type-Montego, 17 ligne.
- * **Thread:** Match to the collar and match to the label color.
- * **Labels:** See references and requirements section.

ATTACHMENT C

Detail Design Characteristics

- * **Collar:** Fashion collar 2 ¼" wide at point. Center back to finish at 3 ½". Trim if necessary. End-fold label sewn on collar, inserted in neck tape.
- * **Neck Finish:** Serge set fashion collar with tape. Neck tape should stop ½" into placket. Single needle close with label.
- * **Front:** One piece, 6" x 1 ½" slant top, clean finish, Allen Solly placket. Also edge-stitch across the top of the top placket and across the top of the bottom placket.
- * **Back:** One piece.
- * **Sleeve:** Short sleeve with rib cuff, serge set welt to finish 1 ¼".
- * **Join Shoulder:** Serge with tape, ¼" topstitch front shoulders.
- * **Join Sides:** Serge set sleeves and sideseam, latch back sleeves.
- * **Bottom:** Uneven tails 2" drop in back with 3 ½" clean finish square side vent. Single needle stitched down ½" with 1" hemmed width.
- * **Buttons:** Two front buttons, cross stitched. Placement: 1st: ½" down from neckline centered on placket. 2nd: 2 ½" from center of 1st button hole.
- *-A, B, C **Embroidery:** Official U.S. Fish & Wildlife Service logo shall be directly embroidered on left breast.
- *-C **Embroidery:** Official Law Enforcement logo.
- *-D **Embroidery:** Official Volunteer logo shall be directly embroidered on left breast.

Sizes and Measurements

- * **Sizes:** S-XXXL

ATTACHMENT C

F418 Shirt, Knit, Royal Blue Cotton

Specifications are identical for the following other components:

F417 Shirt, Knit, Grey Cotton

F419 Shirt, Knit, Sand Cotton

F420 Shirt, Knit, White Cotton, Volunteer

Sample Size: All dimensions are based on size L.

GENERAL DESCRIPTION

Short sleeve, fashion collar, 2 button, slant top, clean finish, Allen Solly placket shirt. Edge-stitched top and bottom with ¼" box, ¼" topstitch front shoulders, welt cuff, and split tail with clean finish side vents.

TYPE ITEMS: *--All Shirts

CLASSIFICATION	FWS #
* All Shirts	*
A Ash Grey	F417
B Royal Blue	F418
C Sand	F419
D White-Volunteer	F420

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Ash Grey.
- *-B **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Royal Blue.
- *-C **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Sand.
- *-D **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., White.
- *-E **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Khaki.
- *-F **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Light Olive.
- * **Buttons:** Type-Montego, 17 ligne.
- * **Thread:** Match to the collar and match to the label color.
- * **Labels:** See references and requirements section.

ATTACHMENT C

Detail Design Characteristics

- * **Collar:** Fashion collar 2 ¼" wide at point. Center back to finish at 3 ½". Trim if necessary. End-fold label sewn on collar, inserted in neck tape.
- * **Neck Finish:** Serge set fashion collar with tape. Neck tape should stop ½" into placket. Single needle close with label.
- * **Front:** One piece, 6" x 1 ½" slant top, clean finish, Allen Solly placket. Also edge-stitch across the top of the top placket and across the top of the bottom placket.
- * **Back:** One piece.
- * **Sleeve:** Short sleeve with rib cuff, serge set welt to finish 1 ¼".
- * **Join Shoulder:** Serge with tape, ¼" topstitch front shoulders.
- * **Join Sides:** Serge set sleeves and sideseam, latch back sleeves.
- * **Bottom:** Uneven tails 2" drop in back with 3 ½" clean finish square side vent. Single needle stitched down ½" with 1" hemmed width.
- * **Buttons:** Two front buttons, cross stitched. Placement: 1st: ½" down from neckline centered on placket. 2nd: 2 ½" from center of 1st button hole.
- *-A, B, C **Embroidery:** Official U.S. Fish & Wildlife Service logo shall be directly embroidered on left breast.
- *-C **Embroidery:** Official Law Enforcement logo.
- *-D **Embroidery:** Official Volunteer logo shall be directly embroidered on left breast.

Sizes and Measurements

- * **Sizes:** S-XXXL

ATTACHMENT C

F419 Shirt, Knit, Sand Cotton

Specifications are identical for the following other components:

F417 Shirt, Knit, Grey Cotton

F418 Shirt, Knit, Royal Blue Cotton

F420 Shirt, Knit, White Cotton, Volunteer

Sample Size: All dimensions are based on size L.

GENERAL DESCRIPTION

Short sleeve, fashion collar, 2 button, slant top, clean finish, Allen Solly placket shirt. Edge-stitched top and bottom with ¼" box, ¼" topstitch front shoulders, welt cuff, and split tail with clean finish side vents.

TYPE ITEMS: *--All Shirts

CLASSIFICATION	FWS#
* All Shirts	*
A Ash Grey	F417
B Royal Blue	F418
C Sand	F419
D White-Volunteer	F420

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Ash Grey.
- *-B **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Royal Blue.
- *-C **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Sand.
- *-D **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., White.
- *-E **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Khaki.
- *-F **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Light Olive.
- * **Buttons:** Type-Montego, 17 ligne.
- * **Thread:** Match to the collar and match to the label color.
- * **Labels:** See references and requirements section.

ATTACHMENT C

Detail Design Characteristics

- * **Collar:** Fashion collar 2 ¼" wide at point. Center back to finish at 3 ½". Trim if necessary. End-fold label sewn on collar, inserted in neck tape.
- * **Neck Finish:** Serge set fashion collar with tape. Neck tape should stop ½" into placket. Single needle close with label.
- * **Front:** One piece, 6" x 1 ½" slant top, clean finish, Allen Solly placket. Also edge-stitch across the top of the top placket and across the top of the bottom placket.
- * **Back:** One piece.
- * **Sleeve:** Short sleeve with rib cuff, serge set welt to finish 1 ¼".
- * **Join Shoulder:** Serge with tape, ¼" topstitch front shoulders.
- * **Join Sides:** Serge set sleeves and sideseam, latch back sleeves.
- * **Bottom:** Uneven tails 2" drop in back with 3 ½" clean finish square side vent. Single needle stitched down ½" with 1" hemmed width.
- * **Buttons:** Two front buttons, cross stitched. Placement: 1st: ½" down from neckline centered on placket. 2nd: 2 ½" from center of 1st button hole.
- *-A, B, C **Embroidery:** Official U.S. Fish & Wildlife Service logo shall be directly embroidered on left breast.
- *-C **Embroidery:** Official Law Enforcement logo.
- *-D **Embroidery:** Official Volunteer logo shall be directly embroidered on left breast.

Sizes and Measurements

- * **Sizes:** S-XXXL

ATTACHMENT C

F420 Shirt, Knit, White Cotton, Volunteer

Specifications are identical for the following other components:

F417 Shirt, Knit, Grey Cotton

F418 Shirt, Knit, Royal Blue Cotton

F419 Shirt, Knit, Sand Cotton

Sample Size: All dimensions are based on size L.

GENERAL DESCRIPTION

Short sleeve, fashion collar, 2 button, slant top, clean finish, Allen Solly placket shirt. Edge-stitched top and bottom with ¼" box, ¼" topstitch front shoulders, welt cuff, and split tail with clean finish side vents.

TYPE ITEMS: *--All Shirts

CLASSIFICATION	FWS #
* All Shirts	*
A Ash Grey	F417
B Royal Blue	F418
C Sand	F419
D White-Volunteer	F420
E Khaki	
F Light Olive	

SALIENT CHARACTERISTICS

Components

Type-Class

- *-A **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Ash Grey.
- *-B **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Royal Blue.
- *-C **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Sand.
- *-D **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., White.
- *-E **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Khaki.
- *-F **Basic Material:** The material shall be 100% cotton Lacoste Knit, 6.8 oz., Light Olive.
- * **Buttons:** Type-Montego, 17 ligne.
- * **Thread:** Match to the collar and match to the label color.
- * **Labels:** See references and requirements section. 1st: Center back, end fold, stitched down on collar inserted in the neck tape.
2nd: Center back, size tab and content and care label placed in neck tape. Size tab lettering shall fall no more than 3/8" below the neck label. Trim if necessary.

ATTACHMENT C

Detail Design Characteristics

- * **Collar:** Fashion collar 2 ¼" wide at point. Center back to finish at 3 ½". Trim if necessary. End-fold label sewn on collar, inserted in neck tape.
- * **Neck Finish:** Serge set fashion collar with tape. Neck tape should stop ½" into placket. Single needle close with label.
- * **Front:** One piece, 6" x 1 ½" slant top, clean finish, Allen Solly placket. Also edge-stitch across the top of the top placket and across the top of the bottom placket.
- * **Back:** One piece.
- * **Sleeve:** Short sleeve with rib cuff, serge set welt to finish 1 ¼".
- * **Join Shoulder:** Serge with tape, ¼" topstitch front shoulders.
- * **Join Sides:** Serge set sleeves and sideseam, latch back sleeves.
- * **Bottom:** Uneven tails 2" drop in back with 3 ½" clean finish square side vent. Single needle stitched down ½" with 1" hemmed width.
- * **Buttons:** Two front buttons, cross stitched. Placement: 1st: ½" down from neckline centered on placket. 2nd: 2 ½" from center of 1st button hole.
- *-A, B, C **Embroidery:** Official U.S. Fish & Wildlife Service logo shall be directly embroidered on left breast.
- *-C **Embroidery:** Official Law Enforcement logo.
- *-D **Embroidery:** Official Volunteer logo shall be directly embroidered on left breast.

Sizes and Measurements

- * **Sizes:** S-XXXL

ATTACHMENT C

F435 Shirt, Male, Tan 4.0 Oz. P/C, LS, with Badge Tab

Specifications are identical for the following other components:

F437 Shirt, Male, Tan 4.0 Oz. P/C, SS, with Badge Tab

F461 Shirt, Female, Tan 4.0 Oz. P/C, LS, with Badge Tab

F463 Shirt, Female, Tan 4.0 Oz. P/C, SS, with Badge Tab

Sample Size: Male-16x34, Female-36

GENERAL DESCRIPTION

The garment is a form fitting permanent press police shirt with a two-piece shirt collar, two breast pockets with scalloped flaps, and shoulder straps. The shirt has baked-in military creases, two pencil slots, and a shoulder emblem. Variations of this garment shall include male and female:

- Long-vs-short sleeves

TYPE ITEMS: *--All Shirts Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

*	All Shirts	*
A	LS, w BT	F435/F461
B	SS, w BT	F437/F463

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 65/30 polyester/cotton poplin, 4.0 oz., tan. OSM colors are Khaki and Olive Green.
- * **Thread:** All thread shall be spun polyester and match the basic material in color.
- * **Buttons:** All buttons shall be 19 ligne, polyester button dyed to match fabric. Buttons shall be strongly attached through two thicknesses of material forming right front, and shall correspond to each buttonhole.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT C

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** All stitches must be of proper tension and size to avoid puckering after the shirt has been laundered and to give the best durable press performance. A ¼" safety stitch shall be used for all sleeve and closing operations.

I-A, B

Button Holes: The shirt shall have 7 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole shall be 3 ¼" from the bottom of the collar on the center plait. The remaining buttonholes shall be spaced 3 1/3" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

I-A

Long Sleeve Button Holes: There shall be 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.

II-A, B,

Button Holes: The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole on the center plait shall be 3 ¼" from the bottom of the collar. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

II-A

Long Sleeve Button Holes: There shall be 2 cut buttonholes on each cuff.

Detail Design Characteristics

I-II*

Collar: To be die cut and banded. The back of the stand shall measure 1 ½". The points shall be 2 7/8" in length and topstitched 3/16" from the edge. The interlining shall be 100% polyester, 250 denier. The inside collar band fabric shall be polyester satin lined with crease interlining. Permanent collar stays shall be placed parallel to the front collar edge and are fused or sewn so that no stitches are made through the bottom leaf. The stand shall fasten with one button.

I-*

Front: The left front shall have a center plait constructed of the shirt fabric measuring 1 ½" wide. There shall be six front and one collar band button with two replacement buttons sewn below standard button placement. The plait shall extend from the collar band to the bottom of the shirt with two rows of topstitching 7/8" apart. The center plait shall be lined with 100% polyester. The button stand shall be 7/8" wide and be placed on the right side of the shirt and extend from collar band to the bottom of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the center plait.

II-*

Front: The right front shall have a center plait constructed of the shirt fabric measuring 1 ½" wide. The plait shall extend from the collar band to the bottom of the shirt with two rows of topstitching 7/8" apart. The center plait shall be lined with 100% polyester. The button stand shall be 7/8" wide and be placed on the left side of the shirt. There shall be five front and one collar band buttons with two replacement buttons sewn below standard button placement and extend from the collar band to the bottom of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the center plait.

ATTACHMENT C

- I-* Pocket Flaps:** To be die cut, creased and scalloped, finishing 5 ½" wide, 2 ¼" at sides and 2 ¾" at center. There shall be a 1 3/8" in width pencil opening through both flaps and a vertical uncut buttonhole in the center of the flaps with a button sewn on top of the buttonhole. Flaps shall be placed ¼" space between pocket and flap. stitching. Woven loop fastner ½" wide and 1" long to be placed on lower edges of each flap to match to hook fastner placed on pockets. Flaps shall be lined with crease interlining.
- I-II* Pockets:** Pockets finishing to 5 3/8" wide x 5 ¾" long with bottom mitered corners. Both pockets shall have a 1 ½" stitched through box pleat and left pocket shall have a sewn through pencil slot 1 3/8" wide. Woven loop fastner ½" wide and 1" long shall be placed on each pocket to match the loop fastner on flap.
- I-II* Yoke :** The yoke shall be constructed of two pieces. The inside yoke shall be made with self goods. Yoke shall measure approximately 2 ¾" at center back and 2 ½" at outside edge of yoke. Back of yoke shall be topstitched 1/16".
- II-A Long Sleeves:** Each sleeve shall one piece pointed placket with a 1 ¼" wide both top and bottom placket with one button and buttonhole centered in vent opening. Sleeve setting and closing shall be done with an over edge and safety stitch. Interlined cuffs to close with two buttons and buttonholes, 2 7/8" wide and have ¼" topstitching on the edge.
- I/II-B Short Sleeves:** There shall be a 7/8" hem and finish 9" from the shoulder seam (on size 36). Sleeve setting and closing shall be done with an overedge and safety stitch. The bottom edge of the sleeve closing seam shall bartacked at hem.
- * Creases:** Pocket flaps, collar band and epaulets shall be die creased to give uniform shape and size. The two military creases in front and three in the back of each shirt shall incorporate a permanent modified silicone crease produced by the lintrake system.
- I/II-* Epaulets -** Shall be sewn into sleeve cap seam and measure approximately 1 7/8" tapering to 1 ½" with end pointed. Epaulets shall be set approximately 1" from the collar seam and are die cut, creased and lined with crease interlining.
- I/II-* Patch:** The U.S. Fish and Wildlife Service ensign shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 2" below the shoulder seam. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT C

Sizes and Measurements

I-A,B Neck: 14 – 14 ½ - 22 – 22 ½

Sleeve Sizes: 30/31 – 36/37

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1")
		28	29 R
		30	29.5 R
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	31.5 R&L
		42	32 R&L
		44	32 R&L
		46	32.5 R&L
		48	33 R&L

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT C

F437 Shirt, Male, Tan 4.0 Oz. P/C, SS, with Badge Tab

Specifications are identical for the following other components:

F435 Shirt, Male, Tan 4.0 Oz. P/C, LS, with Badge Tab

F437 Shirt, Male, Tan 4.0 Oz. P/C, SS, with Badge Tab

F461 Shirt, Female, Tan 4.0 Oz. P/C, LS, with Badge Tab

F463 Shirt, Female, Tan 4.0 Oz. P/C, SS, with Badge Tab

Sample Size: Male-16x34, Female-36

GENERAL DESCRIPTION

The garment is a form fitting permanent press police shirt with a two-piece shirt collar, two breast pockets with scalloped flaps, and shoulder straps. The shirt has baked-in military creases, two pencil slots, and a shoulder emblem. Variations of this garment shall include male and female:

- Long-vs-short sleeves

TYPE ITEMS: *--All Shirts Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

*	All Shirts	*
A	LS, w BT	F435/F461
B	SS, w BT	F437/F463

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 65/30 polyester/cotton poplin, 4.0 oz., tan. OSM colors are Khaki and Olive Green.
- * **Thread:** All thread shall be spun polyester and match the basic material in color.
- * **Buttons:** All buttons shall be 19 ligne, polyester button dyed to match fabric. Buttons shall be strongly attached through two thicknesses of material forming right front, and shall correspond to each buttonhole.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT C

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** All stitches must be of proper tension and size to avoid puckering after the shirt has been laundered and to give the best durable press performance. A ¼" safety stitch shall be used for all sleeve and closing operations.

I-A, B

Button Holes: The shirt shall have 7 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole shall be 3 ¼" from the bottom of the collar on the center plait. The remaining buttonholes shall be spaced 3 1/3" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

I-A

Long Sleeve Button Holes: There shall be 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.

II-A, B,

Button Holes: The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole on the center plait shall be 3 ¼" from the bottom of the collar. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

II-A

Long Sleeve Button Holes: There shall be 2 cut buttonholes on each cuff.

Detail Design Characteristics

I-II*

Collar: To be die cut and banded. The back of the stand shall measure 1 ½". The points shall be 2 7/8" in length and topstitched 3/16" from the edge. The interlining shall be 100% polyester, 250 denier. The inside collar band fabric shall be polyester satin lined with crease interlining. Permanent collar stays shall be placed parallel to the front collar edge and are fused or sewn so that no stitches are made through the bottom leaf. The stand shall fasten with one button.

I-*

Front: The left front shall have a center plait constructed of the shirt fabric measuring 1 ½" wide. There shall be six front and one collar band button with two replacement buttons sewn below standard button placement. The plait shall extend from the collar band to the bottom of the shirt with two rows of topstitching 7/8" apart. The center plait shall be lined with 100% polyester. The button stand shall be 7/8" wide and be placed on the right side of the shirt and extend from collar band to the bottom of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the center plait.

II-*

Front: The right front shall have a center plait constructed of the shirt fabric measuring 1 ½" wide. The plait shall extend from the collar band to the bottom of the shirt with two rows of topstitching 7/8" apart. The center plait shall be lined with 100% polyester. The button stand shall be 7/8" wide and be placed on the left side of the shirt. There shall be five front and one collar band buttons with two replacement buttons sewn below standard button placement and extend from the collar band to the bottom of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the center plait.

ATTACHMENT C

- I-* Pocket Flaps:** To be die cut, creased and scalloped, finishing 5 ½" wide, 2 ¼" at sides and 2 ¾" at center. There shall be a 1 3/8" in width pencil opening through both flaps and a vertical uncut buttonhole in the center of the flaps with a button sewn on top of the buttonhole. Flaps shall be placed ¼" space between pocket and flap. stitching. Woven loop fastner ½" wide and 1" long to be placed on lower edges of each flap to match to hook fastner placed on pockets. Flaps shall be lined with crease interlining.
- I-II* Pockets:** Pockets finishing to 5 3/8" wide x 5 ¾" long with bottom mitered corners. Both pockets shall have a 1 ½" stitched through box pleat and left pocket shall have a sewn through pencil slot 1 3/8" wide. Woven loop fastner ½" wide and 1" long shall be placed on each pocket to match the loop fastner on flap.
- I-II* Yoke :** The yoke shall be constructed of two pieces. The inside yoke shall be made with self goods. Yoke shall measure approximately 2 ¾" at center back and 2 ½" at outside edge of yoke. Back of yoke shall be topstitched 1/16".
- II-A Long Sleeves:** Each sleeve shall one piece pointed placket with a 1 ¼" wide both top and bottom placket with one button and buttonhole centered in vent opening. Sleeve setting and closing shall be done with an over edge and safety stitch. Interlined cuffs to close with two buttons and buttonholes, 2 7/8" wide and have ¼" topstitching on the edge.
- I/II-B Short Sleeves:** There shall be a 7/8" hem and finish 9" from the shoulder seam (on size 36). Sleeve setting and closing shall be done with an overedge and safety stitch. The bottom edge of the sleeve closing seam shall bartacked at hem.
- * Creases:** Pocket flaps, collar band and epaulets shall be die creased to give uniform shape and size. The two military creases in front and three in the back of each shirt shall incorporate a permanent modified silicone crease produced by the lintrake system.
- I/II-* Epaulets -** Shall be sewn into sleeve cap seam and measure approximately 1 7/8" tapering to 1 ½" with end pointed. Epaulets shall be set approximately 1" from the collar seam and are die cut, creased and lined with crease interlining.
- I/II-* Patch:** The U.S. Fish and Wildlife Service ensign shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 2" below the shoulder seam. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT C

Sizes and Measurements

I-A,B Neck: 14 – 14 ½ - 22 – 22 ½

Sleeve Sizes: 30/31 – 36/37

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	29 R
		30	29.5 R
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	31.5 R&L
		42	32 R&L
		44	32 R&L
		46	32.5 R&L
		48	33 R&L

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT C

F446 Shirt, Knit, Red Cotton, Fire Crew

Sample Size: All dimensions are based on size L

GENERAL DESCRIPTION

Crew neck with matching neck and sleeve trim. Sleeve has a 7/8" hem and neck has ribbed collar.

TYPE ITEMS: *--All Shirts

CLASSIFICATION

* **All Shirts**

SALIENT CHARACTERISTICS

Components

* **Basic Material:** The material shall be 100% Red Cotton, Jersey Knit.

General Instructions

* **Stitching:** Seamless body construction with hemmed sleeves and bottom. Polyester/cotton thread used in all sewing operations. Collars shall be attached by two needle or taped over-edge construction. U. S. Fish and Wildlife logo shall be silk-screened in black on left breast.

Sizes and Measurements

* **Sizes:** Male, S through XXL

ATTACHMENT C

F461 Shirt, Female, Tan 4.0 Oz. P/C, LS, with Badge Tab

Specifications are identical for the following other components:

F435 Shirt, Male, Tan 4.0 Oz. P/C, LS, with Badge Tab

F437 Shirt, Male, Tan 4.0 Oz. P/C, SS, with Badge Tab

F463 Shirt, Female, Tan 4.0 Oz. P/C, SS, with Badge Tab

Sample Size: Male-16x34, Female-36

GENERAL DESCRIPTION

The garment is a form fitting permanent press police shirt with a two-piece shirt collar, two breast pockets with scalloped flaps, and shoulder straps. The shirt has baked-in military creases, two pencil slots, and a shoulder emblem. Variations of this garment shall include male and female:

- Long-vs-short sleeves

TYPE ITEMS: *--All Shirts Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

*	All Shirts	*
A	LS, w BT	F435/F461
B	SS, w BT	F437/F463

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 65/30 polyester/cotton poplin, 4.0 oz., tan.
- * **Thread:** All thread shall be spun polyester and match the basic material in color.
- * **Buttons:** All buttons shall be 19 ligne, polyester button dyed to match fabric. Buttons shall be strongly attached through two thicknesses of material forming right front, and shall correspond to each buttonhole.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT C

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** All stitches must be of proper tension and size to avoid puckering after the shirt has been laundered and to give the best durable press performance. A ¼" safety stitch shall be used for all sleeve and closing operations.

I-A, B

Button Holes: The shirt shall have 7 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole shall be 3 ¼" from the bottom of the collar on the center plait. The remaining buttonholes shall be spaced 3 1/3" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

I-A

Long Sleeve Button Holes: There shall be 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.

II-A, B,

Button Holes: The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole on the center plait shall be 3 ¼" from the bottom of the collar. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

II-A

Long Sleeve Button Holes: There shall be 2 cut buttonholes on each cuff.

Detail Design Characteristics

I-II*

Collar: To be die cut and banded. The back of the stand shall measure 1 ½". The points shall be 2 7/8" in length and topstitched 3/16" from the edge. The interlining shall be 100% polyester, 250 denier. The inside collar band fabric shall be polyester satin lined with crease interlining. Permanent collar stays shall be placed parallel to the front collar edge and are fused or sewn so that no stitches are made through the bottom leaf. The stand shall fasten with one button.

I-*

Front: The left front shall have a center plait constructed of the shirt fabric measuring 1 ½" wide. There shall be six front and one collar band button with two replacement buttons sewn below standard button placement. The plait shall extend from the collar band to the bottom of the shirt with two rows of topstitching 7/8" apart. The center plait shall be lined with 100% polyester. The button stand shall be 7/8" wide and be placed on the right side of the shirt and extend from collar band to the bottom of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the center plait.

II-*

Front: The right front shall have a center plait constructed of the shirt fabric measuring 1 ½" wide. The plait shall extend from the collar band to the bottom of the shirt with two rows of topstitching 7/8" apart. The center plait shall be lined with 100% polyester. The button stand shall be 7/8" wide and be placed on the left side of the shirt. There shall be five front and one collar band buttons with two replacement buttons sewn below standard button placement and extend from the collar band to the bottom of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the center plait.

ATTACHMENT C

- I-* Pocket Flaps:** To be die cut, creased and scalloped, finishing 5 ½" wide, 2 ¼" at sides and 2 ¾" at center. There shall be a 1 3/8" in width pencil opening through both flaps and a vertical uncut buttonhole in the center of the flaps with a button sewn on top of the buttonhole. Flaps shall be placed ¼" space between pocket and flap. stitching. Woven loop fastner ½" wide and 1" long to be placed on lower edges of each flap to match to hook fastner placed on pockets. Flaps shall be lined with crease interlining.
- I-II* Pockets:** Pockets finishing to 5 3/8" wide x 5 ¾" long with bottom mitered corners. Both pockets shall have a 1 ½" stitched through box pleat and left pocket shall have a sewn through pencil slot 1 3/8" wide. Woven loop fastner ½" wide and 1" long shall be placed on each pocket to match the loop fastner on flap.
- I-II* Yoke :** The yoke shall be constructed of two pieces. The inside yoke shall be made with self goods. Yoke shall measure approximately 2 ¾" at center back and 2 ½" at outside edge of yoke. Back of yoke shall be topstitched 1/16".
- II-A Long Sleeves:** Each sleeve shall one piece pointed placket with a 1 ¼" wide both top and bottom placket with one button and buttonhole centered in vent opening. Sleeve setting and closing shall be done with an over edge and safety stitch. Interlined cuffs to close with two buttons and buttonholes, 2 7/8" wide and have ¼" topstitching on the edge.
- I/II-B Short Sleeves:** There shall be a 7/8" hem and finish 9" from the shoulder seam (on size 36). Sleeve setting and closing shall be done with an overedge and safety stitch. The bottom edge of the sleeve closing seam shall bartacked at hem.
- * Creases:** Pocket flaps, collar band and epaulets shall be die creased to give uniform shape and size. The two military creases in front and three in the back of each shirt shall incorporate a permanent modified silicone crease produced by the lintrake system.
- I/II-* Epaulets -** Shall be sewn into sleeve cap seam and measure approximately 1 7/8" tapering to 1 ½" with end pointed. Epaulets shall be set approximately 1" from the collar seam and are die cut, creased and lined with crease interlining.
- I/II-* Patch:** The U.S. Fish and Wildlife Service ensign shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 2" below the shoulder seam. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT C

Sizes and Measurements

I-A,B Neck: 14 – 14 ½ - 22 – 22 ½

Sleeve Sizes: 30/31 – 36/37

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	29 R
		30	29.5 R
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	31.5 R&L
		42	32 R&L
		44	32 R&L
		46	32.5 R&L
		48	33 R&L

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners .

ATTACHMENT C

F463 Shirt, Female, Tan 4.0 Oz. P/C, SS, with Badge Tab

Specifications are identical for the following other components:

F435 Shirt, Male, Tan 4.0 Oz. P/C, LS, with Badge Tab

F437 Shirt, Male, Tan 4.0 Oz. P/C, SS, with Badge Tab

F461 Shirt, Female, Tan 4.0 Oz. P/C, LS, with Badge Tab

Sample Size: Male-16x34, Female-36

GENERAL DESCRIPTION

The garment is a form fitting permanent press police shirt with a two-piece shirt collar, two breast pockets with scalloped flaps, and shoulder straps. The shirt has baked-in military creases, two pencil slots, and a shoulder emblem. Variations of this garment shall include male and female:

- Long-vs-short sleeves

TYPE ITEMS: *--All Shirts Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

*	All Shirts	*
A	LS, w BT	F435/F461
B	SS, w BT	F437/F463

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 65/30 polyester/cotton poplin, 4.0 oz., tan.
- * **Thread:** All thread shall be spun polyester and match the basic material in color.
- * **Buttons:** All buttons shall be 19 ligne, polyester button dyed to match fabric. Buttons shall be strongly attached through two thicknesses of material forming right front, and shall correspond to each buttonhole.
- * **Collar Stays:** The collar stay shall be made of good quality vinyl, attached to the inside of the bottom collar leaf, and come out to the stitching line.
- * **Labels:** See general reference and requirements sheet.

ATTACHMENT C

General Instructions

- * **Cutting:** Collars, bands, pockets, and flaps shall be cut to ensure uniformity.
- * **Stitching:** All stitches must be of proper tension and size to avoid puckering after the shirt has been laundered and to give the best durable press performance. A ¼" safety stitch shall be used for all sleeve and closing operations.

I-A, B

Button Holes: The shirt shall have 7 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole shall be 3 ¼" from the bottom of the collar on the center plait. The remaining buttonholes shall be spaced 3 1/3" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

I-A

Long Sleeve Button Holes: There shall be 2 cut buttonholes on each cuff. A vertical cut buttonhole shall be sewn on the sleeve placket opening 2 ½" from the top of the cuff, centered on the top placket with a matching button centered on bottom placket.

II-A, B,

Button Holes: The shirt shall have 6 cut buttonholes down the front. The center of the first buttonhole shall be placed on the collar band 1" from edge. The center of the second buttonhole on the center plait shall be 3 ¼" from the bottom of the collar. The remaining buttonholes shall be spaced 3 ½" apart. There shall be 1 cut buttonhole on each shoulder strap and 1 uncut buttonhole on each pocket flap.

II-A

Long Sleeve Button Holes: There shall be 2 cut buttonholes on each cuff.

Detail Design Characteristics

I-II*

Collar: To be die cut and banded. The back of the stand shall measure 1 ½". The points shall be 2 7/8" in length and topstitched 3/16" from the edge. The interlining shall be 100% polyester, 250 denier. The inside collar band fabric shall be polyester satin lined with crease interlining. Permanent collar stays shall be placed parallel to the front collar edge and are fused or sewn so that no stitches are made through the bottom leaf. The stand shall fasten with one button.

I-*

Front: The left front shall have a center plait constructed of the shirt fabric measuring 1 ½" wide. There shall be six front and one collar band button with two replacement buttons sewn below standard button placement. The plait shall extend from the collar band to the bottom of the shirt with two rows of topstitching 7/8" apart. The center plait shall be lined with 100% polyester. The button stand shall be 7/8" wide and be placed on the right side of the shirt and extend from collar band to the bottom of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the center plait.

II-*

Front: The right front shall have a center plait constructed of the shirt fabric measuring 1 ½" wide. The plait shall extend from the collar band to the bottom of the shirt with two rows of topstitching 7/8" apart. The center plait shall be lined with 100% polyester. The button stand shall be 7/8" wide and be placed on the left side of the shirt. There shall be five front and one collar band buttons with two replacement buttons sewn below standard button placement and extend from the collar band to the bottom of the shirt. The buttons shall be securely attached to the button stand corresponding to the buttonholes on the center plait.

ATTACHMENT C

- I-*** **Pocket Flaps:** To be die cut, creased and scalloped, finishing 5 ½" wide, 2 ¼" at sides and 2 ¾" at center. There shall be a 1 ⅜" in width pencil opening through both flaps and a vertical uncut buttonhole in the center of the flaps with a button sewn on top of the buttonhole. Flaps shall be placed ¼" space between pocket and flap. stitching. Woven loop fastner ½" wide and 1" long to be placed on lower edges of each flap to match to hook fastner placed on pockets. Flaps shall be lined with crease interlining.
- I-II*** **Pockets:** Pockets finishing to 5 ⅜" wide x 5 ¾" long with bottom mitered corners. Both pockets shall have a 1 ½" stitched through box pleat and left pocket shall have a sewn through pencil slot 1 ⅜" wide. Woven loop fastner ½" wide and 1" long shall be placed on each pocket to match the loop fastner on flap.
- I-II*** **Yoke :** The yoke shall be constructed of two pieces. The inside yoke shall be made with self goods. Yoke shall measure approximately 2 ¾" at center back and 2 ½" at outside edge of yoke. Back of yoke shall be topstitched 1/16".
- II-A** **Long Sleeves:** Each sleeve shall one piece pointed placket with a 1 ¼" wide both top and bottom placket with one button and buttonhole centered in vent opening. Sleeve setting and closing shall be done with an over edge and safety stitch. Interlined cuffs to close with two buttons and buttonholes, 2 7/8" wide and have ¼" topstitching on the edge.
- I/II-B** **Short Sleeves:** There shall be a 7/8" hem and finish 9" from the shoulder seam (on size 36). Sleeve setting and closing shall be done with an overedge and safety stitch. The bottom edge of the sleeve closing seam shall bartacked at hem.
- *** **Creases:** Pocket flaps, collar band and epaulets shall be die creased to give uniform shape and size. The two military creases in front and three in the back of each shirt shall incorporate a permanent modified silicone crease produced by the lintrake system.
- I/II-*** **Epaulets -** Shall be sewn into sleeve cap seam and measure approximately 1 7/8" tapering to 1 ½" with end pointed. Epaulets shall be set approximately 1" from the collar seam and are die cut, creased and lined with crease interlining.
- I/II-*** **Patch:** The U.S. Fish and Wildlife Service ensign shoulder patch shall be sewn securely in the center of the left sleeve with the top edge 2" below the shoulder seam. The patch shall be sewn with matching thread and attached so that the edges do not roll-up after washing.

ATTACHMENT C

Sizes and Measurements

I-A,B Neck: 14 – 14 ½ - 22 – 22 ½

Sleeve Sizes: 30/31 – 36/37

II-A,B	Sizes:	<u>Bust Size</u>	<u>Sleeve</u> (R-Regular, L-Long—L=sleeve length + 1”)
		28	29 R
		30	29.5 R
		32	30 R&L
		34	30 R&L
		36	31 R&L
		38	31 R&L
		40	31.5 R&L
		42	32 R&L
		44	32 R&L
		46	32.5 R&L
		48	33 R&L

* **Pressing and Finishing:** Component parts shall be pressed on hot head machines; finished shirt shall be pressed and folded using jet clips or non-corrosive fasteners.

ATTACHMENT C

F468 Shoes, Male, Boat

Specifications are identical for the following other component:

F475 Shoes, Female, Boat

GENERAL DESCRIPTION

The shoe shall be a hand-sewn Dockside style with genuine moccasin construction.

TYPE *--All Shoes Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

* All Shoes F468/ F475

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The materials shall be a brown, waxy oiled leather upper, an EVA midsole for shock absorption, a molded EVA heel cup, and a natural rubber outsole.
- * **Eyelets:** The shoe shall have three eyelets.
- * **Lace:** The laces shall be rawhide leather and pass through the collar for a more adjustable fit.
- * **Counter:** The counter of the shoe shall be an extended counter for heel support.
- * **Outsole:** The outsole shall be a slip-resistant, natural rubber outsole.
- * **Shank:** The shoe shall have a steel shank for support.
- * **Lining:** The shoe shall have a leather lining and tongue.

Sizes and Measurements

Finished Dimensions

- I-* Sizes:** Medium: 7 to 12 in half sizes, 13
 Wide: 7 ½ to 12 in half sizes, 13
 Wide: 6 ½ -12, 13
- II-* Sizes:** Medium: 5-12
 Wide 5-10

ATTACHMENT C

F475 Shoes, Female, Boat

Specifications are identical for the following other component:

F468 Shoes, Male, Boat

GENERAL DESCRIPTION

The shoe shall be a hand-sewn Dockside style with genuine moccasin construction.

TYPE *--All Shoes Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

* All Shoes F468/ F475

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The materials shall be a brown, waxy oiled leather upper, an EVA midsole for shock absorption, a molded EVA heel cup, and a natural rubber outsole.
- * **Eyelets:** The shoe shall have three eyelets.
- * **Lace:** The laces shall be rawhide leather and pass through the collar for a more adjustable fit.
- * **Counter:** The counter of the shoe shall be an extended counter for heel support.
- * **Outsole:** The outsole shall be a slip-resistant, natural rubber outsole.
- * **Shank:** The shoe shall have a steel shank for support.
- * **Lining:** The shoe shall have a leather lining and tongue.

Sizes and Measurements

Finished Dimensions

- I-* Sizes:** Medium: 7 to 12 in half sizes, 13
 Wide: 7 ½ to 12 in half sizes, 13
 Wide: 6 ½ -12, 13
- II-* Sizes:** Medium: 5-12
 Wide 5-10

ATTACHMENT C

F477 Shoes, Female, Low-Heel Pump

Sample Size: All dimensions are based on size 11 N.

GENERAL DESCRIPTION

The shoe shall be a plain, pump slip-on in smooth leather, dark brown in color, one piece folded top pump with closed heel and toe (heel height not to exceed 1-3/4 inches). The shoe shall be a Naturalizer style 150N36 or equal.

CLASSIFICATION

- * All Shoes

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The materials of the shoe shall be Lowenstein Bordeaux Samba uppers, with Mellosock quarter lining and Styrene, rubber toplift heel. This low-heel slip-on pump shall have a steel shank.
- * **Vamp Lining:** The vamp lining shall be tricot.
- * **Insole/Outsole:** The insole shall be a Mellosock insole, and the outsole shall be a Neolite outsole.
- * **Counter:** The counter shall be a styrene counter.
- * **Box toe:** The toe shall be a celastic box toe.

Sizes and Measurements

Finished Dimensions

- * **Sizes:** Narrow: 7 -10 in half sizes
Medium: 5 ½ -10 in half sizes, 11
Wide: 6 -10 in half sizes

ATTACHMENT C

F492 Skirt, Brown, 8 Oz. 65/35 P/C Chetopa IV Twill

Specifications are identical for the following other components:

N483 Skirt, Female, Green 11 Oz. 55/45 P/W Tropical

C484 Skirt, Female, Green 11 Oz. 55/45 P/W Tropical

C486 Skirt, Female, Green 16 Oz. 55/45 P/W Elastique

N485 Skirt, Female, Green 16 Oz. 55/45 P/W Elastique

Sample Size: All dimensions are based on Female's size 12

GENERAL DESCRIPTION

The skirt shall have two quarter top front pockets, back zipper closure, pleated front, and rear kick pleat. The wool skirt shall be fully lined.

TYPE *- All Skirts

CLASSIFICATION	NPS #	COE#	FWS
* All Skirts	*	*	*
A Winter Elastique	N485	C486	--
B Summer Tropical	N483	C484	--
C Chetopa Twill	--	--	F492

SALIENT CHARACTERISTICS

Components

***-A Basic Material:** The material shall be Raeford Style 646 16 oz., Elastique, 55% polyester/45% wool, Forest Green.

***-B Basic Material:** The material shall be Raeford 11 oz. Tropical, 55% polyester/45% wool, Forest Green.

***-C Basic Material:** The material shall be Post cured 8oz./sq.yd. 65% polyester/ 35% cotton, Graniteville Chetopa IV, Brown 67010-11 Soft Touch fabric.

***-A,B Linings:** The skirt shall be fully lined with hi-count satin. It shall have rear darts and front pleats like the shell fabric. The back of the lining shall have a hemmed opening to allow for movement. The lining shall be serged.

***-C Linings:** None

***-* Zipper:** Nylon coil zipper 9" long.

Detail Design Characteristics

***-* Darts:** There shall be one dart, 3-1/2 inches in length on each side of the front and on each side of each back panel.

***-* Pleats:** There shall be an open kick pleat in the center back seam, 16" below the waistband. The kick pleat shall be 2-1/4" deep, open toward the right side seam and be secured at the top with a diagonal topstitch.

ATTACHMENT C

- *-* **Waistband:** The waistband shall be 1 ¼" wide and shall have a reinforced closure: a clear 22-ligne button on the inside of the waistband and a matching 22-ligne button on the outside. The skirt shall be made with a continuous closed waistband. There shall be 2 elastic inserts behind each sideseam, which allows the waistband to stretch 2 ½". The waistband shall be set on the outside and closed by topstitching 1/16" from the lower edge of the band. The inner waistband edge shall be bound with ¼" black twill.
- *-* **Pockets:** The side pockets shall have a 6.5 inch opening, be 5-1/2 inch deep from bottom of pocket opening, be made from 260 wt. pocketing material and have self goods pocket facings. The pockets shall be sewn and stitched, turned and restitched. The pocket opening shall have straight bartacks at each end. The front edge of the pocket opening shall be topstitched 1/16".

Sizes and Measurements

Finished Dimensions

- *-* **Sizes:** Petite: 4-14 even increments
Regular: 2-30 even increments
Tall: 8-24 even increments

ATTACHMENT C

F493 Socks, Brown, 40/40/20 PP/W/N, Mid-Calf, Boot

Specifications are identical for the following other components:

N494 Socks, Brown, 40/40/20 PP/W/N, Mid-Calf, Boot

Sample Size: All dimensions are based on a size L.

GENERAL DESCRIPTION

Fox River heavy weight "Wick-A-Way" mid calf length boot sock or equal.

TYPE ITEMS: *-Male and 'Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
* All Socks	* F493	* N494

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 40% polypropylene, 40% worsted wool, and 20% stretch nylon. The color shall be brown. A sample of the color shall be submitted to the COTR for review and approval.
- * **Label:** Identification, size, and care labels shall be attached to the socks with a residue-free adhesive backing.

Detail Design Characteristics

- * **Construction:** The double knit shall be a rib knit on the outside of the sock with a 5/16" terry loop knit on the inside. The rib knit shall be Wool and the terry loop knit shall be polypropylene. Stretch nylon shall be used throughout for reinforcement. Spandex shall be knitted into top 2 inches of the socks. The sock shall be one piece circular knit construction and shall close at the toe line with seam type FSf-1 using stitch type 521. In a relaxed state each sock shall be 17" long, 3 3/4" wide and 1/2" thick. A pair of socks shall weigh 4.00 +0.25 ounces.
- * **Lengths:** (To be provided by manufacturer)

Relaxed Lengths

Leg
Foot

Stretch Lengths

Top Cross
Leg Cross
Foot Cross

Foot Length

Sizes and Measurements

- * **Finished Dimensions**
Sizes: Male S, M, L, and XL

ATTACHMENT C

F497 Socks, Dark Brown, 46/39/6/7/2 A/W/N/Poly/S, Trekking

Sample Size: All dimensions are based on a size 8 1/2-11 and 10-13.

GENERAL DESCRIPTION

Thorlo heavy weight trekking sock models TKX-11 and TKX-13 or equal.

TYPE ITEMS: *-Male and *Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
* All Socks	* F497	* N498

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 46% acrylic, 39% wool, 6% stretch nylon, 7% insulating hollow core polyester and 2% spandex. The color shall be dark brown with lighter colored pads.
- * **Label:** See general reference and requirement sheet.

Detail Design Characteristics

- * **Construction:** The sock shall be a 10 gauge, 84 needle elastic top, cushioned sole construction utilizing a stretch nylon backing yarn and a 50/50 wool acrylic medium density body yarn which is terry looped throughout the foot with the exception of flat knit ventilation panels. In addition, a heavy density 1/8 inch terry loop protective pad shall be interknitted to a bottom inside of the toe and heel areas, omitting the arch. This construction distinguishes a protective lace pad continuous from the toe to the ankle. The sock shall be one piece circular knit construction and shall close the toe line with an overlock seam type using 40/1 stretch nylon needle thread and 50/1 stretch nylon looper thread at 30 stitches per inch.

- * **Lengths:**

Relaxed Lengths	8-1/2- 11	10-13
Leg 10-1/2+/-1/2"	12+/-1/2"	
Foot 9-1/2+/-1/4"	10+/-1/4"	
Stretch Lengths	8-1/2- 11	10-13
Top Cross	9-1/2+/-1/2"	9-1/2+/-1/2"
Leg Cross	N/A	N/A
Foot Cross	7+/-1/4"	7+/-1/4"
Foot Length	12+/-1/2"	14+/-1/2"

- * **Weight:** The socks shall be minimum of 3.25 pounds per dozen pair for size 8-1/2 to 11 and 3.70 pounds per dozen pair for size 10-13.

Sizes and Measurements

- * **Finished Dimensions**
- * **Sizes:** Male 8-1/2 to 11 and 10-13.

ATTACHMENT C

F499 Socks, Dark Brown, 75/25/5 A/N/S, Over-Calf, Boot

Specifications are identical for the following other components:

N500 Socks, Dark Brown, 75/25/5 A/N/S, Over-Calf, Boot

Sample Size: All dimensions are based on a size 9-11 and 11-13.

GENERAL DESCRIPTION

Thorlo medium weight, over-the-calf WDB-11 and WEB-13, acrylic-blend sock or equal.

TYPE ITEMS: *-Male and *Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
* All Socks	* F499	* N500

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 75% acrylic, 25% stretch nylon and 5% spandex. The color shall be dark brown. A sample of the color shall be submitted to the COTR for review and approval.
- * **Label:** See general reference and requirement sheet.

Detail Design Characteristics

- * **Construction:** The socks shall be constructed from a fine rib knit from the toe end to the ankle and from a medium knit from the ankle within 4" of the top. The top 4" shall be a fine rib knit stretch nylon. Low density 1/8" long terry loop protective pads shall be interknitted to the bottom inside of the sock from the toe to the heel area. A medium density protective pad shall be interknitted to the heel area. The socks shall be one piece circular knit construction and shall close at the top line with seam type Fsf-1 using stitch type 521.

- * **Lengths:**

Relaxed Lengths	9-11	11-13
Leg	13+/-1"	16-1/2+/-1"
Foot	9+/-1/2"	9-1/2+/-1/2"

Stretch Lengths	9- 11	11-13
Top Cross	8-1/2" min	8-1/2"min
Leg Cross	8-1/2" min	8" min.
Foot Cross	7-1/2" min.	7-1/4" min.
Foot Length	14-1/2"min.	16-1/2" min.

- * **Weight:** The socks shall be minimum of 25 ounces per dozen pair for size 9- 11 and 30 ounces per dozen pair for size 11-13.

Sizes and Measurements

- * **Finished Dimensions**
- * **Sizes:** Unisex - M-L

ATTACHMENT C

F502 Socks, Dark Brown, 85/12/3 A/N /S, Mid- Calf, Dress

Specifications are identified for the following identical item:

N501 Socks, Dark Brown, 85/12/3 A/N /S, Mid- Calf, Dress

Sample Size: All dimensions are based on a size 9-11 and 11-13.

GENERAL DESCRIPTION

Thorlo medium weight, mid-calf WGX-11 and WGX-13 acrylic sock or equal..

TYPE ITEMS: *-Male and *Female

CLASSIFICATION	NPS #	FWS #
* All Socks	N501	F502

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 85% acrylic, 12% nylon, and 3% spandex. The color shall be dark brown and shall match the standard sample.
- * **Label:** See reference and requirement sheet.

Detail Design Characteristics

- * **Construction:** The socks shall be constructed from a fine rib knit from the toe end to the ankle and from a medium knit from the ankle to the top of the sock. Medium density 1/8" long terry loop protective pads shall be interknitted to the bottom inside of the toe and heel areas. Low density terry loops shall be interknitted to the instep area and shall be continuous with the heel and toe pads. The socks shall be one piece circular knit construction and shall close at the toe line with seam type Fsf-1 using stitch type 521.

- * **Lengths:**

Relaxed Lengths	9- 11	11-13
Leg	8-1/4+/-1"	11-1/2+/-1"
Foot	9+/-1/2"	9-1/2+/-1/2"
Stretch Lengths	9- 11	11-13
Top Cross	8" min.	8-1/2" min
Leg Cross	7" min.	8-1/2" min.
Foot Cross	7-1/2" min.	7-1/4" min..
Foot Length	14-1/4"min.	15-1/2" min.

- * **Weight:** The socks shall be minimum of 25 ounces per dozen pair for size 9- 11 and 34 ounces per dozen pair for size 11-13.

Sizes and Measurements

- * **Finished Dimensions**
- * **Sizes:** Male - M-L
Female - M-L

ATTACHMENT C

F503 Socks, Dark Brown, 88/10/2 A/N/S, Hiking

Specifications are identified for the following other component:

N504 Socks, Dark Brown, 88/10/2 A/N/S, Hiking

Sample Size: All dimensions are based on a size 8 ½-11 and 10-13. Kx13

GENERAL DESCRIPTION

Thorlo heavy weight hiking sock models KX-9, KX-11, KX-13 and KX-15 or equal.

TYPE ITEMS: *-Male and *Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
* All Socks	* F503	* N504

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 88% acrylic and 10% stretch nylon, 2% spandex. The color shall be dark brown with khaki pads.
- * **Label:** See general reference and requirement sheet.

Detail Design Characteristics

- * **Construction:** The sock shall be a 10 gauge, 84 needle elastic top, cushioned sole construction utilizing a stretch nylon backing yarn and a medium density acrylic body yarn which is terry looped throughout the foot with the exception of flat knit ventilation panels. In addition, a heavy density 1/8" terry loop protective pad shall be interknitted to a bottom inside of the toe and heel areas, omitting the arch. This construction distinguishes a protective lace pad continuous from the toe to the ankle. The sock shall be one piece circular knit construction and shall close the toe line with an overlock seam type using 40/1 stretch nylon needle thread and 50/1 stretch nylon looper thread at 30 stitches per inch.
- * **Lengths:**

Relaxed Lengths	8-1/2- 11	10-13
Leg	10-1/2+/-1/2"	11-1/2+/-1/2"
Foot	9+/-1/4"	9-3/4+/-1/4"
Stretch Lengths	8-1/2- 11	10-13
Top Cross	9-1/2+/-1/2"	9-1/2+/-1/2"
Leg Cross	N/A	N/A
Foot Cross	7-1/4+/-1/4"	7-1/4+/-1/4"
Foot Length	12-1/2+/-1/2"	14+/-1/2"
- * **Weight:** The socks shall be minimum of 2.61 pounds per dozen pair for size 8-1/2 to 11 and 2.87 pounds per dozen pair for size 10-13.

ATTACHMENT C

Sizes and Measurements

- * **Finished Dimensions**
- * **Sizes:** Unisex - M-XL

F505 Socks, Unisex, Brown 75/25, Acrylic/Nylon, Mid-Calf Dress

Specifications are identical for the following other components:

F507 Socks, Female, Brown, 75/25 Acrylic/Nylon, Anklet, Dress

Sample Size: N/A

GENERAL DESCRIPTION: Royce Style #1629, 7-inch, anklet or equal.

TYPE ITEMS: *-Male and *Female

CLASSIFICATION	FWS # (M/F)
* All Socks	*
	F507
	F505

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be 75% orlon acrylic, 25% nylon. FWS Color Brown. A sample of the color shall be submitted to the COTR for review and approval.
- * **Label:** See general reference and requirement sheet.
- * **Lengths:** (To be provided by commercial manufacturer)

Relaxed Lengths

Leg

Foot

Stretch Lengths

Top Cross

Leg Cross

Foot Cross

Foot Length

Sizes and Measurements

- * **Finished Dimensions**
- * **Sizes:** Shoe sizes- 6-1/2 to 12 and Sock sizes- 10-13

ATTACHMENT C

F507 Socks, Female, Brown, 75/25 Acrylic/Nylon, Anklet, Dress

Specifications are identical for the following other components:

F505 Socks, Unisex, Brown 75/25, Acrylic/Nylon, Mid-Calf Dress

Sample Size: N/A

GENERAL DESCRIPTION: Royce Style #1629, 7-inch, anklet or equal.

TYPE ITEMS: *-Male and *Female Type I—Male Type II—Female

CLASSIFICATION	FWS # (M/F)
* All Socks	*
	F507
	F505

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Basic Material:** The material shall be 75% orlon acrylic, 25% nylon. FWS Color Brown. A sample of the color shall be submitted to the COTR for review and approval.
- * **Label:** See general reference and requirement sheet.
- * **Lengths:** (To be provided by manufacturer)

Relaxed Lengths

Leg
Foot

Stretch Lengths

Top Cross
Leg Cross
Foot Cross
Foot Length

Sizes and Measurements

- * **Finished Dimensions**
- * **Sizes:** Shoe sizes- 6-1/2 to 12 and Sock sizes- 10-13

ATTACHMENT C

F513 Sweater, Brown, Wool, V-Neck Commando Pullover

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

The garment is a pullover, V-neck sweater with shoulder and sleeve patches, badge tab and nameplate holder.

TYPE ITEMS: *--Male and Female Type I—Male Type II—Female

CLASSIFICATION	FWS # (M/F)
* All Sweaters	*
	F513

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be 100% pure new virgin American long fiber worsted wool.. 2-ply, 11 ¼ x 2 ends. Brown. Colorfastness - Good. Dry Cleaning - Good. Crocking - Good.
- * **Reinforcement Patch/Shoulder Patch/Badge Tab/Name Plate:**
 - 65% polyester/35% cotton, twill weave
 - Weight - 5.5 ounce per square yard
 - Count warp - 120
 - Count fill - 58
 - Tearing Strength (lbs): Warp - minimum of 2000 grams
 - Fill - minimum of 1700 grams.
 - Breaking Strength (lbs): Warp - minimum of 100 grams
 - Fill - minimum of 55 grams
 - Maximum shrinkage: Warp - less that 2%
 - Fill - less than 2%
 - Colorfastness - Good. Crocking - Good.
- * **Thread:** Cotton, conforming to Type IA3, ticket numbers 40 and 50 of V-T-276. Colorfastness - Good.
- * **Tape Reinforcement:** Cotton woven tape, 5/8" wide, conforming to Type II of DDD-T-86. Color - approximately same as sweater.

General Instructions

- * **Body:** Front, back and skirt shall be knitted from one continuous piece with non-raveling edges. Body shall be knitted 2x2, rib 6 wales x 10 courses per inch. Skirt shall be 3" high, knitted 2x2 rib 8 wales x 11 courses per inch. Side seams sewn with overlock 504, finished and tacked.
- * **Sleeves:** Knitted 2x2 rib, 6 wales x 10 courses per inch, cuff 2x2 rib, 8 wales x 11 courses, 5 ½" long. All shall be knitted with non-raveling edges.
- * **Collar:** Knitted 2x2 rib, 6 wales x 11 courses per inch. Folded to form neckband 1 ½" wide, stitched to the neck.
- * **Stitching:** Shoulders, armholes and sides shall be joined using 3 thread overedge 504, 10 - 14 stitches per inch.

ATTACHMENT C

Detail Design Characteristics

- * **Badge Patch:** 3" by 1" with eyelets 1 3/8" on the center. Patch shall be finished on all edges and attached at top and bottom to the inside of the sweater.
- * **Name Plate:** 3" by 1" without eyelets. Patch shall be finished on all edges, attached on each end to the inside of the sweater.

Sizes and Measurements

Finished Dimensions

Sizes: Regular S - 3XL, Long M - 2XL

ATTACHMENT C

F514 Sweater, Male, Black 5 Oz. Coolmax, Turtleneck

Specifications are identified for the following other components:

N515 Sweater, Male, Black 5 Oz. Coolmax, Turtleneck

F522 Sweater, Female, Black 5 Oz. Coolmax, Turtleneck

N523 Sweater, Female, Black 5 Oz. Coolmax, Turtleneck

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

The garment is a black turtleneck sweater.

TYPE ITEMS: *--Male and Female Type I—Male Type II—Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
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* All Sweaters	F514/F522	N515/N523
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SALIENT CHARACTERISTICS

Components

* **Basic Material:** Body and sleeve: 100% Coolmax jersey 5.0 oz. Trim: neck and cuff 1 x 1 Coolmax/ Lycra 6.5 oz. rib.

* **Labels:** See general reference and requirements sheet.

General Instructions

* **Stitching:** All seams shall be sewn serge/safety stitch with heavy overlap.

Detail Design Characteristics

* **Collar:** Interlock knit, double-ply collar that folds down to the neckline.

* **Sleeves:** Sleeve shall have a minimum of 2" at the bottom, reinforced with Lycra.

Sizes and Measurements

Finished Dimensions:

Sizes: Male: S – XXL
 Female: S - XL

ATTACHMENT C

F516 Sweater, Unisex, Brown, Acrylic, Cardigan

Specification is identical to the following items:

F521 Sweater, Unisex, Blue, Acrylic, Cardigan, Volunteer

C517 Sweater, Male, Green Acrylic

F524 Sweater, Female, Brown Acrylic, Cardigan

C525 Sweater, Female, Green Acrylic

Sample Size: All dimensions are based on size Medium.

GENERAL DESCRIPTION

The garment is a long sleeve cardigan 100% acrylic sweater.

TYPE ITEMS: *--All Sweaters Type I - Male Type II - Female

CLASSIFICATION	FWS #	COE #
* All Sweaters	*	*
A Brown Sweaters	F516/F524	
B Blue Sweaters	F521	
C Green Sweaters		C517/C525

SALIENT CHARACTERISTICS

Components

Type-Class

I-* **Basic Material:** The sweater shall be brown 100% acrylic. Colors are brown, blue and green. The sweater shall be a cardigan type with 6 buttons. It shall have a rib knit border around the neckline and down the front. It shall have two lower front inside hanging pockets.

II-* **Basic Material:** The sweater shall be brown 100% acrylic. Colors are brown, blue and green. The sweater shall be a cardigan type with 5 buttons. It shall have a rib knit border around the neckline and down the front. It shall have two lower front inside hanging pockets.

* **Thread:** The thread for all operations shall be cotton/poly, ticket number 60, color brown. The stitches per inch shall be 8-12 for all operations.

I-* **Buttons:** Six pearlescent brown buttons shall be sewn to right front border, one at top at curve break, one in waistband above bottom, the others equally spaced in between.

II-* **Buttons:** Six pearlescent brown buttons shall be sewn to left front border, one at top at curve break, one in waistband above bottom, the others equally spaced in between.

* **Labels:** See general reference and requirements sheet.

General Instructions

* **Cutting:** N/A.

* **Stitching:** Shoulder, armhole, sleeve, and side seams shall be joined with stitch type 504.

I-* **Buttonholes:** Six buttonholes shall be sewn into left front border with matching locations to buttons. Buttonholes shall be straight style, bartacked at each end, centered and located vertically on the border.

ATTACHMENT C

- II-* **Buttonholes:** Six buttonholes shall be sewn into right front border with matching locations to buttons. Buttonholes shall be straight style, bartacked at each end, centered and located vertically on the border.

Detail Design Characteristics

- * **Front:** A continuous strip of rib knit shall be sewn to one front edge at top of rib knit waistband, up along front, around neckline and down other front to waistband. The facing strip shall be folded back to inside and blindstitched on the underside along the front-neckline-front seam. Fronts and backs shall have wales in length direction.
- I-* **Pockets:** Two hanging single welt pocket shall be 3 ¾" up from waistband, with inner edge 3-3 ½" from front edge. The pocket welt shall be rib knit that shall finish 1" wide with an 4 ¼" opening and depth of 4 3/8". The pocket shall be self material on one side, pocketing on the other. Ends of pocket openings shall be securely stitched down.
- II-* **Pockets:** Two hanging single welt pocket shall be 3 ¾" up from waistband, with inner edge 3-3 ½" from front edge. The pocket welt shall be rib knit that shall finish 1" wide with an 4 ¼" opening and depth of 5 ¼". The pocket shall be self material on one side, pocketing on the other. Ends of pocket openings shall be securely stitched down.
- I-* **Waistband:** Waistband shall be wide rib knit finishing with a 3" hem.
- II-* **Waistband:** Waistband shall be wide rib knit finishing with a 2 - 2 ½" hem.
- * **Sleeves:** One piece sleeves with wales in length direction.
- * **Cuffs:** Cuff shall be wide rib knit 2 ½" wide. Cuffs shall be attached to sleeves with 504 stitch type.

Sizes and Measurements

Finished Dimensions

- * **Sizes:** Regular XS-XXL, Long M-XXL

ATTACHMENT C

F521 Sweater, Unisex, Blue, Acrylic, Cardigan, Volunteer

Specification is identical to the following items:

F516 Sweater, Unisex, Brown, Acrylic, Cardigan

C517 Sweater, Male, Green Acrylic

F524 Sweater, Female, Brown Acrylic, Cardigan

C525 Sweater, Female, Green Acrylic

Sample Size: All dimensions are based on size Medium.

GENERAL DESCRIPTION

The garment is a long sleeve cardigan 100% acrylic sweater.

TYPE ITEMS: *--All Sweaters Type I - Male Type II - Female

CLASSIFICATION	FWS #	COE #
* All Sweaters	*	*
A Brown Sweaters	F516/F524	
B Blue Sweaters	F521	
C Green Sweaters		C517/C525

SALIENT CHARACTERISTICS

Components

Type-Class

I-* **Basic Material:** The sweater shall be brown 100% acrylic. Colors are brown, blue and green. The sweater shall be a cardigan type with 6 buttons. It shall have a rib knit border around the neckline and down the front. It shall have two lower front inside hanging pockets.

II-* **Basic Material:** The sweater shall be brown 100% acrylic. Colors are brown, blue and green. The sweater shall be a cardigan type with 5 buttons. It shall have a rib knit border around the neckline and down the front. It shall have two lower front inside hanging pockets.

* **Thread:** The thread for all operations shall be cotton/poly, ticket number 60, color brown. The stitches per inch shall be 8-12 for all operations.

I-* **Buttons:** Six pearlescent brown buttons shall be sewn to right front border, one at top at curve break, one in waistband above bottom, the others equally spaced in between.

II-* **Buttons:** Six pearlescent brown buttons shall be sewn to left front border, one at top at curve break, one in waistband above bottom, the others equally spaced in between.

* **Labels:** See general reference and requirements sheet.

General Instructions

* **Cutting:** N/A.

* **Stitching:** Shoulder, armhole, sleeve, and side seams shall be joined with stitch type 504.

I-* **Buttonholes:** Six buttonholes shall be sewn into left front border with matching locations to buttons. Buttonholes shall be straight style, bartacked at each end, centered and located vertically on the border.

ATTACHMENT C

- II-* **Buttonholes:** Six buttonholes shall be sewn into right front border with matching locations to buttons. Buttonholes shall be straight style, bartacked at each end, centered and located vertically on the border.

Detail Design Characteristics

- * **Front:** A continuous strip of rib knit shall be sewn to one front edge at top of rib knit waistband, up along front, around neckline and down other front to waistband. The facing strip shall be folded back to inside and blindstitched on the underside along the front-neckline-front seam. Fronts and backs shall have wales in length direction.
- I-* **Pockets:** Two hanging single welt pocket shall be 3 ¾" up from waistband, with inner edge 3-3 ½" from front edge. The pocket welt shall be rib knit that shall finish 1" wide with an 4 ¼" opening and depth of 4 3/8". The pocket shall be self material on one side, pocketing on the other. Ends of pocket openings shall be securely stitched down.
- II-* **Pockets:** Two hanging single welt pocket shall be 3 ¾" up from waistband, with inner edge 3-3 ½" from front edge. The pocket welt shall be rib knit that shall finish 1" wide with an 4 ¼" opening and depth of 5 ¼". The pocket shall be self material on one side, pocketing on the other. Ends of pocket openings shall be securely stitched down.
- I-* **Waistband:** Waistband shall be wide rib knit finishing with a 3" hem.
- II-* **Waistband:** Waistband shall be wide rib knit finishing with a 2 - 2 ½" hem.
- * **Sleeves:** One piece sleeves with wales in length direction.
- * **Cuffs:** Cuff shall be wide rib knit 2 ½" wide. Cuffs shall be attached to sleeves with 504 stitch type.

Sizes and Measurements

Finished Dimensions

- * **Sizes:** Regular XS-XXL, Long M-XXL

ATTACHMENT C

F522 Sweater, Female, Black 5 Oz. Coolmax, Turtleneck

Specifications are identical for the following other components:

F514 Sweater, Male, Black 5 Oz. Coolmax, Turtleneck

N515 Sweater, Male, Black 5 Oz. Coolmax, Turtleneck

N523 Sweater, Female, Black 5 Oz. Coolmax, Turtleneck

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

The garment is a black turtleneck sweater.

TYPE ITEMS: *--Male and Female Type I—Male Type II—Female

CLASSIFICATION	FWS # (M/F)	NPS # (M/F)
* All Sweaters	*	*
A	F514	
B		N515
C	F522	
D		N523

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** Body and sleeve: 100% Coolmax jersey 5.0 oz. Trim: neck and cuff 1 x 1 Coolmax/ Lycra 6.5 oz. rib.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** All seams shall be sewn serge/safety stitch with heavy overlap.

Detail Design Characteristics

- * **Collar:** Interlock knit, double-ply collar that folds down to the neckline.
- * **Sleeves:** Sleeve shall have a minimum of 2" at the bottom, reinforced with Lycra.

Sizes and Measurements

Finished Dimensions:

Sizes: *I- Male: S – XXL
 *II- Female: S - XL

ATTACHMENT C

F524 Sweater, Female, Brown Acrylic, Cardigan

Specification is identical to the following other components:

F516 Sweater, Unisex, Brown, Acrylic, Cardigan

C517 Sweater, Male, Green Acrylic

F521 Sweater, Unisex, Blue, Acrylic, Cardigan, Volunteer

C525 Sweater, Female, Green Acrylic

Sample Size: All dimensions are based on size Medium.

GENERAL DESCRIPTION

The garment is a long sleeve cardigan 100% acrylic sweater.

TYPE ITEMS: *--All Sweaters Type I - Male Type II - Female

CLASSIFICATION	FWS #	COE #
* All Sweaters	*	*
A Brown Sweaters	F516/F524	
B Blue Sweaters	F521	
C Green Sweaters		C517/C525

SALIENT CHARACTERISTICS

Components

Type-Class

I-* **Basic Material:** The sweater shall be brown 100% acrylic. Colors are brown, blue and green. The sweater shall be a cardigan type with 6 buttons. It shall have a rib knit border around the neckline and down the front. It shall have two lower front inside hanging pockets.

II-* **Basic Material:** The sweater shall be brown 100% acrylic. Colors are brown, blue and green. The sweater shall be a cardigan type with 5 buttons. It shall have a rib knit border around the neckline and down the front. It shall have two lower front inside hanging pockets.

* **Thread:** The thread for all operations shall be cotton/poly, ticket number 60, color brown. The stitches per inch shall be 8-12 for all operations.

I-* **Buttons:** Six pearlescent brown buttons shall be sewn to right front border, one at top at curve break, one in waistband above bottom, the others equally spaced in between.

II-* **Buttons:** Six pearlescent brown buttons shall be sewn to left front border, one at top at curve break, one in waistband above bottom, the others equally spaced in between.

* **Labels:** See general reference and requirements sheet.

General Instructions

* **Cutting:** N/A.

* **Stitching:** Shoulder, armhole, sleeve, and side seams shall be joined with stitch type 504.

ATTACHMENT C

- I-* **Buttonholes:** Six buttonholes shall be sewn into left front border with matching locations to buttons. Buttonholes shall be straight style, bartacked at each end, centered and located vertically on the border.
- II-* **Buttonholes:** Six buttonholes shall be sewn into right front border with matching locations to buttons. Buttonholes shall be straight style, bartacked at each end, centered and located vertically on the border.

Detail Design Characteristics

- * **Front:** A continuous strip of rib knit shall be sewn to one front edge at top of rib knit waistband, up along front, around neckline and down other front to waistband. The facing strip shall be folded back to inside and blindstitched on the underside along the front-neckline-front seam. Fronts and backs shall have wales in length direction.
- I-* **Pockets:** Two hanging single welt pocket shall be 3 ¾" up from waistband, with inner edge 3-3 ½" from front edge. The pocket welt shall be rib knit that shall finish 1" wide with an 4 ¼" opening and depth of 4 3/8". The pocket shall be self material on one side, pocketing on the other. Ends of pocket openings shall be securely stitched down.
- II-* **Pockets:** Two hanging single welt pocket shall be 3 ¾" up from waistband, with inner edge 3-3 ½" from front edge. The pocket welt shall be rib knit that shall finish 1" wide with an 4 ¼" opening and depth of 5 ¼". The pocket shall be self material on one side, pocketing on the other. Ends of pocket openings shall be securely stitched down.
- I-* **Waistband:** Waistband shall be wide rib knit finishing with a 3" hem.
- II-* **Waistband:** Waistband shall be wide rib knit finishing with a 2 - 2 ½" hem.
- * **Sleeves:** One piece sleeves with wales in length direction.
- * **Cuffs:** Cuff shall be wide rib knit 2 ½" wide. Cuffs shall be attached to sleeves with 504 stitch type.

Sizes and Measurements

Finished Dimensions

- * **Sizes:** Regular XS-XXL, Long M-XXL

ATTACHMENT C

F533 Tie, Unisex, Brown Polyester, Standard, Regular Length

Specifications are identical for the following other components:

C537 Tie, Unisex, Black P/W Tropical, Clip-on, Extra Long
C538 Tie, Unisex, Black P/W Tropical, Clip-on, Double Extra Long
C539 Tie, Unisex, Black P/W Tropical, Clip-on, Regular Length
C540 Tie, Unisex, Black P/W Tropical, Standard
F541 Tie, Unisex, Brown Polyester, Clip-on, Extra Long
F542 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N543 Tie, Unisex, Green P/W Tropical, Clip-on, Extra Long
N544 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length
N545 Tie, Unisex, Green P/W Tropical, Standard

C547 Tie, Unisex, Black P/W Tropical, Clip-on, Short Length
C548 Tie, Female, Black P/W Tropical, Cross-over
F549 Tie, Female, Brown Polyester, Cross-over
F550 Tie, Unisex, Brown Polyester, Clip-on, Short Length
N616 Tie, Female, Green P/W Tropical, Cross-over
N617 Tie, Unisex, Green P/W Tropical, Clip-on, Short Length

Sample Size: See Table.

GENERAL DESCRIPTION

Standard four-in-hand ties shall be Samuel Broome style #455 or equal.
Metal clip-on ties shall be Samuel Broome style #455 or equal.
Mock continental cross-over ties shall be Samuel Broome style #455 TV or equal.

TYPE ITEMS: *--All Ties Type I—Male Type II—Female

CLASSIFICATION

See Table.

ATTACHMENT C

SALIENT CHARACTERISTICS

SPEC #	SEX	TYPE	CLASS	COLOR	LENGTH	WIDTH
F533	M/F	Reg Standard	B	Brown	56 3/4"	3 - 3 1/4"
C537	M/F	XL Clip-on	A	Black	19"	3 - 3 1/4"
C538	M/F	XXL Clip-on	A	Black	22"	3 - 3 1/4"
C539	M/F	Reg Clip-on	A	Black	17"	3 - 3 1/4"
C540	M/F	Reg Standard	A	Black	56 3/4"	3 - 3 1/4"
F541	M/F	XL Clip-on	B	Brown	19"	3 - 3 1/4"
F542	M/F	Reg Clip-on	B	Brown	17"	3 - 3 1/4"
N543	M/F	XL Clip-on	A	Green	19"	3 - 3 1/4"
N544	M/F	Reg Clip-on	A	Green	17"	3 - 3 1/4"
N545	M/F	Reg Standard	A	Green	56 3/4"	3 - 3 1/4"
C547	M/F	ShortClip-on	A	Black	14"	3 - 3 1/4"
C548	F	Cross-over	A	Black	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F549	F	Cross-over	B	Brown	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F550	M/F	ShortClip-on	B	Brown	14"	3 - 3 1/4"
N616	F	Cross-over	A	Green	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
N617	M/F	ShortClip-on	A	Green	14"	3 - 3 1/4"

Components

*-A **Basic Material:** The material shall be 75/25 Polyester/Wool, Tropical Weave

*-B **Basic Material:** The material shall be 100% Texturized Polyester, Plain Weave, 4 -5 oz/yd²

General Instructions

Class A and B: All ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching, or splicing.

Class B: Polyester ties shall have acrylic interlining and a soil release, low stretch finish for washability. Each tie shall have a label stating the manufacturer and contents. Each tie shall be shipped with a shape-retention cardboard insert.

Cross-over ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching or splicing.

ATTACHMENT C

F541 Tie, Unisex, Brown Polyester, Clip-on, Extra Long

Specifications are identical for the following other components:

F533 Tie, Unisex, Brown Polyester, Standard, Regular Length
C537 Tie, Unisex, Black P/W Tropical, Clip-on, Extra Long
C538 Tie, Unisex, Black P/W Tropical, Clip-on, Double Extra Long
C539 Tie, Unisex, Black P/W Tropical, Clip-on, Regular Length
C540 Tie, Unisex, Black P/W Tropical, Standard
F542 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N543 Tie, Unisex, Green P/W Tropical, Clip-on, Extra Long
N544 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length
N545 Tie, Unisex, Green P/W Tropical, Standard

C547 Tie, Unisex, Black P/W Tropical, Clip-on, Short Length
C548 Tie, Female, Black P/W Tropical, Cross-over
F549 Tie, Female, Brown Polyester, Cross-over
F550 Tie, Unisex, Brown Polyester, Clip-on, Short Length
N616 Tie, Female, Green P/W Tropical, Cross-over
N617 Tie, Unisex, Green P/W Tropical, Clip-on, Short Length

Sample Size: See Table.

GENERAL DESCRIPTION

Standard four-in-hand ties shall be Samuel Broome style #455 or equal.
Metal clip-on ties shall be Samuel Broome style #455 or equal.
Mock continental cross-over ties shall be Samuel Broome style #455 TV or equal.

TYPE ITEMS: *--All Ties Type I—Male Type II—Female

CLASSIFICATION

See Table.

ATTACHMENT C

SALIENT CHARACTERISTICS

SPEC #	SEX	TYPE	CLASS	COLOR	LENGTH	WIDTH
F533	M/F	Reg Standard	B	Brown	56 3/4"	3 - 3 1/4"
C537	M/F	XL Clip-on	A	Black	19"	3 - 3 1/4"
C538	M/F	XXL Clip-on	A	Black	22"	3 - 3 1/4"
C539	M/F	Reg Clip-on	A	Black	17"	3 - 3 1/4"
C540	M/F	Reg Standard	A	Black	56 3/4"	3 - 3 1/4"
F541	M/F	XL Clip-on	B	Brown	19"	3 - 3 1/4"
F542	M/F	Reg Clip-on	B	Brown	17"	3 - 3 1/4"
N543	M/F	XL Clip-on	A	Green	19"	3 - 3 1/4"
N544	M/F	Reg Clip-on	A	Green	17"	3 - 3 1/4"
N545	M/F	Reg Standard	A	Green	56 3/4"	3 - 3 1/4"
C547	M/F	ShortClip-on	A	Black	14"	3 - 3 1/4"
C548	F	Cross-over	A	Black	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F549	F	Cross-over	B	Brown	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F550	M/F	ShortClip-on	B	Brown	14"	3 - 3 1/4"
N616	F	Cross-over	A	Green	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
N617	M/F	ShortClip-on	A	Green	14"	3 - 3 1/4"

Components

*-A **Basic Material:** The material shall be 75/25 Polyester/Wool, Tropical Weave

*-B **Basic Material:** The material shall be 100% Texturized Polyester, Plain Weave, 4 -5 oz/yd²

General Instructions

Class A and B: All ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching, or splicing.

Class B: Polyester ties shall have acrylic interlining and a soil release, low stretch finish for washability. Each tie shall have a label stating the manufacturer and contents. Each tie shall be shipped with a shape-retention cardboard insert.

Cross-over ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching or splicing.

ATTACHMENT C

F549 Tie, Female, Brown Polyester, Cross-over

Specifications are identical for the following other components:

F533 Tie, Unisex, Brown Polyester, Standard, Regular Length
C537 Tie, Unisex, Black P/W Tropical, Clip-on, Extra Long
C538 Tie, Unisex, Black P/W Tropical, Clip-on, Double Extra Long
C539 Tie, Unisex, Black P/W Tropical, Clip-on, Regular Length
C540 Tie, Unisex, Black P/W Tropical, Standard
F541 Tie, Unisex, Brown Polyester, Clip-on, Extra Long
N543 Tie, Unisex, Green P/W Tropical, Clip-on, Extra Long
N544 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length
N545 Tie, Unisex, Green P/W Tropical, Standard

C547 Tie, Unisex, Black P/W Tropical, Clip-on, Short Length
C548 Tie, Female, Black P/W Tropical, Cross-over
F550 Tie, Unisex, Brown Polyester, Clip-on, Short Length
N616 Tie, Female, Green P/W Tropical, Cross-over
N617 Tie, Unisex, Green P/W Tropical, Clip-on, Short Length

Sample Size: See Table.

GENERAL DESCRIPTION

Standard four-in-hand ties shall be Samuel Broome style #455 or equal.
Metal clip-on ties shall be Samuel Broome style #455 or equal.
Mock continental cross-over ties shall be Samuel Broome style #455 TV or equal.

TYPE ITEMS: *--All Ties Type I—Male Type II—Female

CLASSIFICATION

See Table.

ATTACHMENT C

SALIENT CHARACTERISTICS

SPEC #	SEX	TYPE	CLASS	COLOR	LENGTH	WIDTH
F533	M/F	Reg Standard	B	Brown	56 3/4"	3 - 3 1/4"
C537	M/F	XL Clip-on	A	Black	19"	3 - 3 1/4"
C538	M/F	XXL Clip-on	A	Black	22"	3 - 3 1/4"
C539	M/F	Reg Clip-on	A	Black	17"	3 - 3 1/4"
C540	M/F	Reg Standard	A	Black	56 3/4"	3 - 3 1/4"
F541	M/F	XL Clip-on	B	Brown	19"	3 - 3 1/4"
F542	M/F	Reg Clip-on	B	Brown	17"	3 - 3 1/4"
N543	M/F	XL Clip-on	A	Green	19"	3 - 3 1/4"
N544	M/F	Reg Clip-on	A	Green	17"	3 - 3 1/4"
N545	M/F	Reg Standard	A	Green	56 3/4"	3 - 3 1/4"
C547	M/F	ShortClip-on	A	Black	14"	3 - 3 1/4"
C548	F	Cross-over	A	Black	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F549	F	Cross-over	B	Brown	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F550	M/F	ShortClip-on	B	Brown	14"	3 - 3 1/4"
N616	F	Cross-over	A	Green	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
N617	M/F	ShortClip-on	A	Green	14"	3 - 3 1/4"

Components

*-A **Basic Material:** The material shall be 75/25 Polyester/Wool, Tropical Weave

*-B **Basic Material:** The material shall be 100% Texturized Polyester, Plain Weave, 4 -5 oz/yd²

General Instructions

Class A and B: All ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching, or splicing.

Class B: Polyester ties shall have acrylic interlining and a soil release, low stretch finish for washability. Each tie shall have a label stating the manufacturer and contents. Each tie shall be shipped with a shape-retention cardboard insert.

Cross-over ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching or splicing.

ATTACHMENT C

F550 Tie, Unisex, Brown Polyester, Clip-on, Regular Length

Specifications are identical for the following other components:

F533 Tie, Unisex, Brown Polyester, Standard, Regular Length
C537 Tie, Unisex, Black P/W Tropical, Clip-on, Extra Long
C538 Tie, Unisex, Black P/W Tropical, Clip-on, Double Extra Long
C539 Tie, Unisex, Black P/W Tropical, Clip-on, Regular Length
C540 Tie, Unisex, Black P/W Tropical, Standard
F541 Tie, Unisex, Brown Polyester, Clip-on, Extra Long
F542 Tie, Unisex, Brown Polyester, Clip-on, Regular Length
N543 Tie, Unisex, Green P/W Tropical, Clip-on, Extra Long
N544 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length
N545 Tie, Unisex, Green P/W Tropical, Standard

C547 Tie, Unisex, Black P/W Tropical, Clip-on
C548 Tie, Female, Black P/W Tropical, Cross-over
F549 Tie, Female, Brown Polyester, Cross-over
N616 Tie, Female, Green P/W Tropical, Cross-over
N617 Tie, Unisex, Green P/W Tropical, Clip-on, Regular Length

Sample Size: See Table.

GENERAL DESCRIPTION

Standard four-in-hand ties shall be Samuel Broome style #455 or equal.
Metal clip-on ties shall be Samuel Broome style #455 or equal.
Mock continental cross-over ties shall be Samuel Broome style #455 TV or equal.

TYPE ITEMS: *--All Ties Type I—Unisex Type II—Female

CLASSIFICATION

See Table.

ATTACHMENT C

SALIENT CHARACTERISTICS

SPEC #	SEX	TYPE	CLASS	COLOR	LENGTH	WIDTH
F533	M/F	Reg Standard	B	Brown	56 3/4"	3 - 3 1/4"
C537	M/F	XL Clip-on	A	Black	19"	3 - 3 1/4"
C538	M/F	XXL Clip-on	A	Black	22"	3 - 3 1/4"
C539	M/F	Reg Clip-on	A	Black	17"	3 - 3 1/4"
C540	M/F	Reg Standard	A	Black	56 3/4"	3 - 3 1/4"
F541	M/F	XL Clip-on	B	Brown	19"	3 - 3 1/4"
F542	M/F	Reg Clip-on	B	Brown	17"	3 - 3 1/4"
N543	M/F	XL Clip-on	A	Green	19"	3 - 3 1/4"
N544	M/F	Reg Clip-on	A	Green	17"	3 - 3 1/4"
N545	M/F	Reg Standard	A	Green	56 3/4"	3 - 3 1/4"
C547	M/F	ShortClip-on	A	Black	14"	3 - 3 1/4"
C548	F	Cross-over	A	Black	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F549	F	Cross-over	B	Brown	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
F550	M/F	ShortClip-on	B	Brown	14"	3 - 3 1/4"
N616	F	Cross-over	A	Green	20 1/2" snap to snap 26 1/2" point to point	1 3/4"
N617	M/F	ShortClip-on	A	Green	14"	3 - 3 1/4"

Components

*-A **Basic Material:** The material shall be 75/25 Polyester/Wool, Tropical Weave

*-B **Basic Material:** The material shall be 100% Texturized Polyester, Plain Weave, 4 -5 oz/yd²

General Instructions

Class A and B: All ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching, or splicing.

Class B: Polyester ties shall have acrylic interlining and a soil release, low stretch finish for washability. Each tie shall have a label stating the manufacturer and contents. Each tie shall be shipped with a shape-retention cardboard insert.

Cross-over ties shall finish flat and smooth without visible wrinkles, fabric flaws, stitching or splicing.

ATTACHMENT C

F552 Trousers, Male, Brown 8 Oz. 65/35 P/C Chetopa IV Twill

Specifications are identical for the following other component:

F572 Trousers, Female, Brown 8 Oz. 65/35 P/C Chetopa IV Twill

Sample Size: All dimensions are based on Male size 34R and Female size 10R

GENERAL DESCRIPTION

The trousers shall have a pleated front, quarter top pockets and two back welt pockets. The left hip pocket shall have a button-through closure. On the Female's pant, there shall be elastic inserts in the waistband for ease of fit.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

* All Pants *
F552/F572

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be Graniteville Chetopa IV, Brown 67010 – 11 – Soft Touch. Post Cured. 65"cutable. 8 oz./sq. yd. 65% polyester/35% cotton. Fabric shall be spread in one direction.
- * **Linings:** The lining, pockets fabric, and waistband curtain lining shall be black Polytwill: (pre-cured). Weight: 2.60 yds./lb. Thread count: 72 warp x 48 weft.
- * **Thread:** The thread shall be 100% polyester wrapped polyester core, size TEX 40.
- I-* **Zippers:** The trousers shall have a YKK (or equal) 45mm brass zipper chain. The zipper has a ratcheting cam lock slider.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** Major seams shall be safety stitched 8 to 10 stitches per inch. The seat seam shall be tandem needle chainstitched, 8 stitches per inch.

Detail Design Characteristics

- I-* **Waistband:** The waistband curtain shall be plain and shall be attached to the top of the waistband with a straight stitch and folded to the inside. There shall be no visible stitching on the top edge of the waistband curtain. The finished waistband curtain shall measure 2 1/8" wide. The finished waistband shall be 1 7/8" wide and shall close with a crush-proof hook and eye. It shall be topstitched 1/16" on the bottom of the band and across the bottom of the loops.
- II-* **Waistband:** The waistband curtain shall be plain. Stitched to the inside of the waistband curtain are two elastic inserts, which allow the waistband to expand at least 3". The waistband curtain shall be attached to the top of the waistband with a straight stitch and folded to the inside. There shall be no visible stitching on the top edge of the waistband curtain. The finished waistband curtain shall measure 1 7/8" wide. The finished waistband shall be 1 1/2" wide and shall close with a crush-proof hook and eye. It shall be topstitched 1/16" on the bottom of the band. Drop loops, do not topstitch.

ATTACHMENT C

- * **Fly:** The left fly overlaps the right fly. The fly lining extension shall continue 1" beyond the inseam. There shall be one bartack at the bottom of the fly.
- * **Pleats:** On each front panel there shall be two pleats which open toward the side seam. The inner pleat shall be 7/8" deep and the outer pleat shall be 1/4" deep. There shall be a 1" space between the pleats. Each pleat shall be sewn closed at the top and shall open 1 1/8" below the waistband. The edge of the inner pleat shall continue into the leg crease.
- I-* **Front Pockets:** The front pockets shall be quarter top with a 7" opening and shall be 13 1/2" deep from the bottom of the band. The edge of the pocket opening shall have a 3/8" wide folder hem. The pocket bags shall be safety stitched and turned and restitched on the outside. The ends of the pocket openings shall be bartacked. There is an extra bartack in the seam allowance to secure the pocket bag.
- II-* **Front Pockets:** The front pockets shall be quarter top with a 6" opening and shall be 12 3/4" deep from the bottom of the band. The edge of the pocket opening shall have a 3/8" wide folder hem. The pocket bags shall be safety stitched and turned and restitched on the outside. The ends of the pocket openings shall be bartacked. There is an extra bartack in the seam allowance to secure the pocket bag.
- I-* **Back Pockets:** The hip pockets shall have single welts. The outer edges of the pockets shall be topstitched 1/16" gauge. The ends of the pocket openings shall be bartacked. The pockets shall be 5 1/2" wide and 6" deep. The pocketing shall extend up to and be caught in the waistband seam to prevent sagging. The left pocket has a button-through closure. The buttonhole shall be a gimp reinforced keyhole style. A 22 ligne melamine button is used. On the right hip pocket bag is the U. S. Fish And Wildlife Service woven label.
- II-* **Back Pockets:** The back pockets shall have single welts. The outer edges of the pockets shall be topstitched 1/16" gauge. The ends of the pocket openings shall be bartacked. The pockets shall be 5 1/4" wide and 6" deep. (Sizes 8 and smaller shall be 4 3/4" wide and 6" deep.) The pocketing shall extend up to and be caught in the waistband seam to prevent sagging. The left pocket shall have a button through closure. The buttonhole shall be a gimp reinforced keyhole style. A 22 ligne melamine button is used. On the right hip pocket bag is the U. S. Fish And Wildlife Service woven label.
- I-* **Belt Loops:** There shall be 7 belt loops on sizes 28-38, 9 loops on sizes 40-46, and 11 loops on sizes 48 and up. Belt loops shall be 1/2" wide ladder stitch loops. The belt loops shall be inserted into the top and bottom of the waistband and are caught in the topstitching at the bottom of the band (with the exception of the center back loop, which is bartacked below the band).
- II-* **Belt Loops:** There shall be 5 belt loops on sizes 12 and under, and 7 loops on sizes 14 and up. The belt loops shall be 1/2" wide ladder stitch loops. The belt loops shall be inserted into the top of the waistband, with the exception of the center back loop, which is tacked at the top of the waistband. All belt loops shall be dropped and tacked 1/2" below the bottom of the waistband.
- II-* **Bottoms:** The trousers shall be finished with a 2" blindstitched hem.

Sizes and Measurements

Finished Dimensions

- I-* **Sizes:** Short: 28-40 Long: 30- Xlong:
- II-* **Sizes:** Petite: 4-14 Regular: 2-30 Tall: 4-24

ATTACHMENT C

F553 Trousers, Male, Brown Gore-Tex, Lined Rain/Wind

Specifications are identical for the following other components:

C560 Trousers, Male, Green Gore-Tex, Lined Rain/Wind

N561 Trousers, Male, Green Gore-Tex, Lined Rain/Wind

F573 Trousers, Female, Brown Gore-Tex, Lined Rain/Wind

C578 Trousers, Female, Green Gore-Tex, Lined Rain/Wind

N579 Trousers, Female, Green Gore-Tex, Lined Rain/Wind

Sample Size: All dimensions are based on sizes F553, C560, N561, C578, N579 - Large, F573 - Medium

GENERAL DESCRIPTION

Fully lined Gore-Tex pants or equal featuring full length side zippers with inside weather flaps with elastic waist band and hook and pile tape side waistband closures.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION		COE (M/F)	NPS (M/F)
*	All Pants	*	*
A	Green	C560/C578	N561/N579 FWS (M/F)
B	Brown		F553/F573

SALIENT CHARACTERISTICS

Components

- *-A **Basic Material:** The material shall be taslan nylon bonded to Gore-Tex film, forest green.
- *-B **Basic Material:** The material shall be taslan nylon bonded to Gore-Tex film, dark brown.
- * **Thread:** All thread shall be minimum size 60/36.
- * **Seams:** The crotch and inseams shall be full felled (seam type LS c-2) ¼" gauge. All stitching shall be stitch type 301. All closing seams shall be hot air heat sealed with Gore-Tex sealing tape on the inside of the pants. Sealed seams and stitching shall show no leakage.
- * **Zippers:** The side zippers shall be plastic scoop type, size 5 or equal. The zippers shall have two single pull, long tab sliders mouth-to-mouth. The tapes shall be 5/8" wide.
- * **Labels:** See general reference and requirements sheet.

Detail Design Characteristics

- * **Lining:** The pants shall be fully lined.

ATTACHMENT C

I-A **Waistband:** The front and back waistbands and waistband linings shall be 2" wide. A 1 ¾" wide elastic band shall be sewn between the waistband and lining, extending to the waistband tabs on the front, and between the inner edges of the pile tape. The band shall be sewn down with one center row of stitching and stitched to the bottom of the waistband.

The front waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of hook tape shall be sewn to the inside of each waistband tab centered with one end of the tape ¼" from the end of the waistband top.

The back waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of loop tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband.

The waistband shall have four snapped belt loops equally spaced for a duty belt.

I-B **Waistband:** The front and back waistbands and waistband linings shall be 2" wide and interlined with a compatible non-woven material. The front waistband shall be 25" long and edge stitched 1/8" gauge. The waistband and lining shall be basic material, one-piece construction. A 1 ½" wide by 4" long piece of pile tape shall be sewn to the inside of each waistband end, centered with the one end of the tape even with the end of the waistband.

The back waistband shall be 21" long and edge stitched 1/8" gauge. A 1 ½" wide by 3" long piece of hook tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband. A 1 ¾" wide elastic band shall be sewn between the waistband and lining and shall extend between the inner edges of the hook tape and be sewn down and shirred with 3 rows of stitching, ½" gauge.

II-A **Waistband:** The front and back waistbands and waistband linings shall be 2" wide. A 1 ½" wide elastic band shall be sewn between the waistband and lining, extending to the waistband tabs on the front, and between the inner edges of the pile tape. The band shall be sewn down with one center row of stitching and stitched to the bottom of the waistband.

The front waistband shall be 12 ¼" long relaxed. A 1 ½" wide by 2" long piece of hook tape shall be sewn to the inside of each waistband tab centered with one end of the tape ¼" from the end of the waistband top.

The back waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of loop tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband.

The waistband shall have four snapped belt loops equally spaced for a duty belt.

II-B **Waistband:** The front and back waistbands and waistband linings shall be 2" wide and interlined with a compatible non-woven material. The front waistband shall be 20 ½" long and edge stitched 1/8" gauge. The waistband and lining shall be basic material, one-piece construction. A 1 ½" wide by 4" long piece of pile tape shall be sewn to the inside of each waistband end, centered with the one end of the tape even with the end of the waistband.

The back waistband shall be 18" long and edge stitched 1/8" gauge. A 1 ½" wide by 3" long piece of hook tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband. A 1 ¾" wide elastic band shall be sewn between the waistband and lining and shall extend between the inner edges of the hook tape and be sewn down and shirred with 3 rows of stitching, ½" gauge.

ATTACHMENT C

- I-A Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne Female snap shall be attached in the bottom outside corner ½" from each edge. A Male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 43 ¼" long between the waistband top and the bottom edge of the pant leg along the zipper.
- I-B Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne Female snap shall be attached in the bottom outside corner ½" from each edge. A Male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 44" long between the waistband top and the bottom edge of the pant leg along the zipper.
- II-A Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne Female snap shall be attached in the bottom outside corner ½" from each edge. A Male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 42" long between the waistband top and the bottom edge of the pant leg along the zipper.
- II-B Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne Female snap shall be attached in the bottom outside corner ½" from each edge. A Male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 42" long between the waistband top and the bottom edge of the pant leg along the zipper.
- I-* Reinforcement Patch:** The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½" from inside edges of weather flaps and shall extend down 21 ½". The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8" gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.
- II-A Reinforcement Patch:** The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½" from inside edges of weather flaps and shall extend down 19 ¼". The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8" gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.

ATTACHMENT C

II-B Reinforcement Patch: The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½” from inside edges of weather flaps and shall extend down 19 ½”. The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8” gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.

Sizes and Measurements

* **Finished Dimensions**

* **Sizes:** Male - Regular: S-XXL
Male - Long: M-XXL
Female - S-XL

ATTACHMENT C

F572 Trousers, Female, Brown 8 Oz. 65/35 P/C Chetopa IV Twill

Specifications are identical for the following other component:

F552 Trousers, Male, Brown 8 Oz. 65/35 P/C Chetopa IV Twill

Sample Size: All dimensions are based on Male size 34R and Female size 10R

GENERAL DESCRIPTION

The trousers shall have a pleated front, quarter top pockets and two back welt pockets. The left hip pocket shall have a button-through closure. On the Female's pant, there shall be elastic inserts in the waistband for ease of fit.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

* All Pants *
F552/F572

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The material shall be Graniteville Chetopa IV, Brown 67010 – 11 – Soft Touch. Post Cured. 65"cutable. 8 oz./sq. yd. 65% polyester/35% cotton. Fabric shall be spread in one direction.
- * **Linings:** The lining, pockets fabric, and waistband curtain lining shall be black Polytwill: (pre-cured). Weight: 2.60 yds./lb. Thread count: 72 warp x 48 weft.
- * **Thread:** The thread shall be 100% polyester wrapped polyester core, size TEX 40.
- I-* **Zippers:** The trousers shall have a YKK (or equal) 45mm brass zipper chain. The zipper has a ratcheting cam lock slider.
- * **Labels:** See general reference and requirements sheet.

General Instructions

- * **Stitching:** Major seams shall be safety stitched 8 to 10 stitches per inch. The seat seam shall be tandem needle chainstitched, 8 stitches per inch.

Detail Design Characteristics

- I-* **Waistband:** The waistband curtain shall be plain and shall be attached to the top of the waistband with a straight stitch and folded to the inside. There shall be no visible stitching on the top edge of the waistband curtain. The finished waistband curtain shall measure 2 1/8" wide. The finished waistband shall be 1 7/8" wide and shall close with a crush-proof hook and eye. It shall be topstitched 1/16" on the bottom of the band and across the bottom of the loops.

ATTACHMENT C

- II-*** **Waistband:** The waistband curtain shall be plain. Stitched to the inside of the waistband curtain are two elastic inserts, which allow the waistband to expand at least 3". The waistband curtain shall be attached to the top of the waistband with a straight stitch and folded to the inside. There shall be no visible stitching on the top edge of the waistband curtain. The finished waistband curtain shall measure 1 7/8" wide. The finished waistband shall be 1 1/2" wide and shall close with a crush-proof hook and eye. It shall be topstitched 1/16" on the bottom of the band. Drop loops, do not topstitch.
- *** **Fly:** The left fly overlaps the right fly. The fly lining extension shall continue 1" beyond the inseam. There shall be one bartack at the bottom of the fly.
- *** **Pleats:** On each front panel there shall be two pleats which open toward the side seam. The inner pleat shall be 7/8" deep and the outer pleat shall be 1/4" deep. There shall be a 1" space between the pleats. Each pleat shall be sewn closed at the top and shall open 1 1/8" below the waistband. The edge of the inner pleat shall continue into the leg crease.
- I-*** **Front Pockets:** The front pockets shall be quarter top with a 7" opening and shall be 13 1/2" deep from the bottom of the band. The edge of the pocket opening shall have a 3/8" wide folder hem. The pocket bags shall be safety stitched and turned and restitched on the outside. The ends of the pocket openings shall be bartacked. There is an extra bartack in the seam allowance to secure the pocket bag.
- II-*** **Front Pockets:** The front pockets shall be quarter top with a 6" opening and shall be 12 3/4" deep from the bottom of the band. The edge of the pocket opening shall have a 3/8" wide folder hem. The pocket bags shall be safety stitched and turned and restitched on the outside. The ends of the pocket openings shall be bartacked. There is an extra bartack in the seam allowance to secure the pocket bag.
- I-*** **Back Pockets:** The hip pockets shall have single welts. The outer edges of the pockets shall be topstitched 1/16" gauge. The ends of the pocket openings shall be bartacked. The pockets shall be 5 1/2" wide and 6" deep. The pocketing shall extend up to and be caught in the waistband seam to prevent sagging. The left pocket has a button-through closure. The buttonhole shall be a gimp reinforced keyhole style. A 22 ligne melamine button is used. On the right hip pocket bag is the U. S. Fish And Wildlife Service woven label.
- II-*** **Back Pockets:** The back pockets shall have single welts. The outer edges of the pockets shall be topstitched 1/16" gauge. The ends of the pocket openings shall be bartacked. The pockets shall be 5 1/4" wide and 6" deep. (Sizes 8 and smaller shall be 4 3/4" wide and 6" deep.) The pocketing shall extend up to and be caught in the waistband seam to prevent sagging. The left pocket shall have a button through closure. The buttonhole shall be a gimp reinforced keyhole style. A 22 ligne melamine button is used. On the right hip pocket bag is the U. S. Fish And Wildlife Service woven label.
- I-*** **Belt Loops:** There shall be 7 belt loops on sizes 28-38, 9 loops on sizes 40-46, and 11 loops on sizes 48 and up. Belt loops shall be 1/2" wide ladder stitch loops. The belt loops shall be inserted into the top and bottom of the waistband and are caught in the topstitching at the bottom of the band (with the exception of the center back loop, which is bartacked below the band).
- II-*** **Belt Loops:** There shall be 5 belt loops on sizes 12 and under, and 7 loops on sizes 14 and up. The belt loops shall be 1/2" wide ladder stitch loops. The belt loops shall be inserted into the top of the waistband, with the exception of the center back loop, which is tacked at the top of the waistband. All belt loops shall be dropped and tacked 1/2" below the bottom of the waistband.
- II-*** **Bottoms:** The trousers shall be finished with a 2" blindstitched hem.

ATTACHMENT C

Sizes and Measurements

Finished Dimensions

I-* **Sizes:** Short: 28-40 Long: 30- Xlong:

II-* **Sizes:** Petite: 4-14 Regular: 2-30 Tall: 4-24

F573 Trousers, Female, Brown Gore-Tex, Lined Rain/Wind

Specifications are identical for the following other components:

F553 Trousers, Male, Brown Gore-Tex, Lined Rain/Wind

C560 Trousers, Male, Green Gore-Tex, Lined Rain/Wind

N561 Trousers, Male, Green Gore-Tex, Lined Rain/Wind

C578 Trousers, Female, Green Gore-Tex, Lined Rain/Wind

N579 Trousers, Female, Green Gore-Tex, Lined Rain/Wind

Sample Size: All dimensions are based on sizes F553, C560, N561, C578, N579 - Large, F573 - Medium

GENERAL DESCRIPTION

Fully lined Gore-Tex pants or equal featuring full length side zippers with inside weather flaps with elastic waist band and hook and pile tape side waistband closures.

TYPE ITEMS: *-Male and Female Type I—Male Type II—Female

CLASSIFICATION		COE (M/F)	NPS (M/F)
*	All Pants	*	*
A	Green	C560/C578	N561/N579 FWS (M/F)
B	Brown		F553/F573

SALIENT CHARACTERISTICS

Components

*-A **Basic Material:** The material shall be taslan nylon bonded to Gore-Tex film, Forest Green.

*-B **Basic Material:** The material shall be taslan nylon bonded to Gore-Tex film, dark brown.

* **Thread:** All thread shall be minimum size 60/36.

* **Seams:** The crotch and inseams shall be full felled (seam type LS c-2) ¼" gauge. All stitching shall be stitch type 301. All closing seams shall be hot air heat sealed with Gore-Tex sealing tape on the inside of the pants. Sealed seams and stitching shall show no leakage.

* **Zippers:** The side zippers shall be plastic scoop type, size 5 or equal. The zippers shall have two single pull, long tab sliders mouth-to-mouth. The tapes shall be 5/8" wide.

* **Labels:** See general reference and requirements sheet.

Detail Design Characteristics

* **Lining:** The pants shall be fully lined.

ATTACHMENT C

I-A **Waistband:** The front and back waistbands and waistband linings shall be 2" wide. A 1 ¾" wide elastic band shall be sewn between the waistband and lining, extending to the waistband tabs on the front, and between the inner edges of the pile tape. The band shall be sewn down with one center row of stitching and stitched to the bottom of the waistband.

The front waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of hook tape shall be sewn to the inside of each waistband tab centered with one end of the tape ¼" from the end of the waistband top.

The back waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of loop tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband.

The waistband shall have four snapped belt loops equally spaced for a duty belt.

I-B **Waistband:** The front and back waistbands and waistband linings shall be 2" wide and interlined with a compatible non-woven material. The front waistband shall be 25" long and edge stitched 1/8" gauge. The waistband and lining shall be basic material, one-piece construction. A 1 ½" wide by 4" long piece of pile tape shall be sewn to the inside of each waistband end, centered with the one end of the tape even with the end of the waistband.

The back waistband shall be 21" long and edge stitched 1/8" gauge. A 1 ½" wide by 3" long piece of hook tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband. A 1 ¾" wide elastic band shall be sewn between the waistband and lining and shall extend between the inner edges of the hook tape and be sewn down and shirred with 3 rows of stitching, ½" gauge.

II-A **Waistband:** The front and back waistbands and waistband linings shall be 2" wide. A 1 ½" wide elastic band shall be sewn between the waistband and lining, extending to the waistband tabs on the front, and between the inner edges of the pile tape. The band shall be sewn down with one center row of stitching and stitched to the bottom of the waistband.

The front waistband shall be 12 ¼" long relaxed. A 1 ½" wide by 2" long piece of hook tape shall be sewn to the inside of each waistband tab centered with one end of the tape ¼" from the end of the waistband top.

The back waistband shall be 15 ½" long relaxed. A 1 ½" wide by 2" long piece of loop tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband.

The waistband shall have four snapped belt loops equally spaced for a duty belt.

II-B **Waistband:** The front and back waistbands and waistband linings shall be 2" wide and interlined with a compatible non-woven material. The front waistband shall be 20 ½" long and edge stitched 1/8" gauge. The waistband and lining shall be basic material, one-piece construction. A 1 ½" wide by 4" long piece of pile tape shall be sewn to the inside of each waistband end, centered with the one end of the tape even with the end of the waistband.

The back waistband shall be 18" long and edge stitched 1/8" gauge. A 1 ½" wide by 3" long piece of hook tape shall be sewn to the outside of each waistband end, centered with the end of the tape ¼" from the end of the waistband. A 1 ¾" wide elastic band shall be sewn between the waistband and lining and shall extend between the inner edges of the hook tape and be sewn down and shirred with 3 rows of stitching, ½" gauge.

ATTACHMENT C

- I-A Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne Female snap shall be attached in the bottom outside corner ½" from each edge. A Male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 43 ¼" long between the waistband top and the bottom edge of the pant leg along the zipper.
- I-B Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne Female snap shall be attached in the bottom outside corner ½" from each edge. A Male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 44" long between the waistband top and the bottom edge of the pant leg along the zipper.
- II-A Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne Female snap shall be attached in the bottom outside corner ½" from each edge. A Male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 42" long between the waistband top and the bottom edge of the pant leg along the zipper.
- II-B Outseam Opening:** Each outseam shall close with a full length zipper. The zipper shall start at the bottom of the waistband and end less than 1" from the pant bottom edge. A full length under flap and lining constructed of basic material shall be 1 ½" wide and caught with the zipper tape between the rear panel and the lining panel. A 2" long basic material tab shall be 1 ½" wide on the outside edge and 2 ½" wide where it is attached with the zipper tape between the front panel and lining panel. A 24 ligne Female snap shall be attached in the bottom outside corner ½" from each edge. A Male snap shall be attached on the back panel ¾" from the outseam and ½" from the bottom edge of the pants. The outseam shall be 42" long between the waistband top and the bottom edge of the pant leg along the zipper.
- I-* Reinforcement Patch:** The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½" from inside edges of weather flaps and shall extend down 21 ½". The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8" gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.
- II-A Reinforcement Patch:** The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½" from inside edges of weather flaps and shall extend down 19 ¼". The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8" gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.

ATTACHMENT C

II-B Reinforcement Patch: The patch shall reinforce the seat area and shall be constructed from reinforcement fabric. The sides shall end 1 ½” from inside edges of weather flaps and shall extend down 19 ½”. The top edge shall be caught in the waistband seam and sides shall be folded under and topstitched 1/8” gauge to the weather flaps. The bottom edge of the patch shall be joined to the lining with seam allowances not showing. The urethane coating shall face to the outside of the pants.

Sizes and Measurements

* **Finished Dimensions**

* **Sizes:** Male - Regular: S-XXL
Male - Long: M-XXL
Female - S-XL

ATTACHMENT C

F586 Vest, Male, Brown Nylon, Insulated without Badge Tab

Specifications are identical for the following other components:

C587 Vest, Male, Green Nylon Insulated with Badge Tab
N588 Vest, Male, Green Nylon, Insulated with Badge Tab
N622 Vest, Male, Green Nylon, Insulated without Badge Tab
C591 Vest, Female, Green Nylon Insulated with Badge Tab
N592 Vest, Female, Green Nylon Insulated with Badge Tab
N623 Vest, Female, Green Nylon Insulated without Badge Tab b
F590 Vest, Female, Brown Nylon Insulated without Badge Tab

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

Raven Industries (or equal) Thinsulate/Fleece lined insulated vest with a zipper front and two hand warmer pockets, with/without badge tab holder and name plate.

TYPE ITEMS: *--All Vests Type I—Male Type II—Female

CLASSIFICATION		COE # (M/F)	NPS # (M/F)	FWS # (M/F)
*	All Vests	*	*	*
A	With Badge Tab, Green	C587/C591	N588/N592	*
B	Without Badge Tab, Green	*	N622/623	*
C	Without Badge Tab, Brown	*	*	F586/F590

SALIENT CHARACTERISTICS

Components

- *-A/B **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, Forest Green. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- *-C **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, brown. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- * **Thread:** All thread except topstitching shall be minimum size 60/36. Color consistent with basic material.
- * **Zipper:** The zipper shall be a Vislon plastic scoop type, size 5 or equal. The zipper shall be a single pull, single slider with a long pull-tab. The tape shall be a minimum 1/2" wide.
- * **Labels:** See general references and requirements sheet.

Detail Design Characteristics

- * **Collar:** The stand up collar shall be one piece construction made from shell fabric on the outside and fleece on the inside. The collar shall be 3" wide at the front edge and not less than 2 3/4" wide at center back.

ATTACHMENT C

- I-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $20\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 23" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be 11" from armhole to bottom edge. The half chest shall be 24" wide.
- II-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $17\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 20" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " Gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be $9\frac{1}{4}$ " from armhole to bottom edge. The half chest shall be 21" wide.
- I-*** **Back:** The back shall be plain. The center back shall be 24" long from the collar seam to the bottom edge.
- II-*** **Back:** The back shall be plain. The center back shall be $19\frac{1}{4}$ " long from the collar seam to the bottom edge.
- I-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be 2" above the bottom front edge and $4\frac{1}{2}$ " from the side seam. The top of the pocket opening shall be $8\frac{1}{2}$ " above the bottom front edge and $4\frac{5}{8}$ " from the side seam. The opening shall be $6\frac{5}{8}$ " long. The welt shall be $6\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- II-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be $1\frac{7}{8}$ " above the bottom front edge and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be 8" above the bottom front edge and $3\frac{3}{4}$ " from the side seam. The opening shall be $5\frac{5}{8}$ " long. The welt shall be $5\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- *-A** **Badge Reinforcement:** Badge and name tabs shall be constructed from the outer shell fabric. The tabs shall finish $\frac{1}{2}$ " wide with $\frac{1}{8}$ " top stitching and the tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with bartacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two sewn eyelets centered $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{3}{4}$ " from the left front fly edge and the top edge $6\frac{1}{4}$ " below the front shoulder seam. The name tab shall be 3" long with two sewn eyelets centered $1\frac{7}{8}$ " apart. Badge tab and name tag backtacked.
- I-*** **Armhole:** The shoulder seam shall be 6" long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- II-*** **Armhole:** The shoulder seam shall be $4\frac{1}{2}$ " long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Bottom:** The bottom edge of the shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Hanger Loop:** A $\frac{3}{8}$ " wide black nylon tape hanger loop $1\frac{3}{4}$ " long shall be sewn into the inside collar seam at center back.

ATTACHMENT C

Sizes and Measurements Finished Dimensions

I-* **Sizes:** Regular: XS-XXXXL
Long: S-XXXXL

II-* **Sizes:** Regular: XS-XXL
Long: M-XXL

F589 Vest, Navy P/C Twill, Unlined, Volunteer

Sample Size: All dimensions are based on size M

GENERAL DESCRIPTION

Straight, not tapered, three-button front with two lower front patch pockets.

TYPE ITEMS: *--All Garments Type I—Male Type II—Female

CLASSIFICATION FWS # (M/F)

* **All Vests** *
F589

SALIENT CHARACTERISTICS

Components

- * **Basic Material:** The fabric shall be 50% Cotton/50% Polyester. The color shall be Navy.
- * **Labels:** See general references and requirements sheet.

Detail Design Characteristics

- * **Front:** An inside facing is added to the left and right fronts in the button/buttonhole area. Left and right lower front edges curve toward the sides to form a V-notch at the bottom of the center front. The front edges and neck are bound with a self-fabric that finishes ½" wide.
- * **Pockets:** The pockets are caught in the side seam and lower bound edge. Tops of pockets have a 1/2" folder hem and are bartacked in the upper inner corner. Pocket measures 5" W x 5 1/2" D.
- * **Emblem:** The small official U.S. Fish & Wildlife Service Volunteer emblem shall be sewn on the left breast of the vest 3" below the shoulder seam, equidistant with seam edge and sleeve edge.
- * **Armhole:** The armhole shall be bound with a self-fabric that finishes ½" wide.
- * **Bottom:** The lower edge of the vest has a ½" folder hem.
- * **Stitching:** Side seams shall be 3/8" safety stitched. The outer edges of the facings shall be serged. All bound edges and hem shall be lockstitched.

ATTACHMENT C

Sizes and Measurements

Finished Dimensions

I-*	Sizes:	Regular:	S-XXL
		Long:	S-XL
II-*	Sizes:		XS-XL

ATTACHMENT C

F590 Vest, Female, Brown Nylon, Insulated w/o Badge Tab

Specifications are identical for the following other components:

C587 Vest, Male, Green Nylon Insulated with Badge Tab

N588 Vest, Male, Green Nylon, Insulated with Badge Tab

N622 Vest, Male, Green Nylon, Insulated w/o Badge Tab

F586 Vest, Male, Brown Nylon, Insulated w/o Badge Tab

C591 Vest, Female, Green Nylon Insulated with Badge Tab

N592 Vest, Female, Green Nylon Insulated with Badge Tab

N623 Vest, Female, Green Nylon Insulated w/o Badge Tab b

Sample Size: All dimensions are based on Male size L and Female size M

GENERAL DESCRIPTION

Raven Industries (or equal) Thinsulate/Fleece lined insulated vest with a zipper front and two hand warmer pockets, with/without badge tab holder and name plate.

TYPE ITEMS: *--All Vests Type I—Male Type II—Female

CLASSIFICATION		COE # (M/F)	NPS # (M/F)	FWS # (M/F)
*	All Vests	*	*	*
A	With Badge Tab, Green	C587/C591	N588/N592	*
B	Without Badge Tab, Green	*	N622/623	*
C	Without Badge Tab, Brown	*	*	F586/F590

SALIENT CHARACTERISTICS

Components

- *-A/B **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, Forest Green. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- *-C **Basic Material:** The material shall be taslon nylon, 2 ply, with 3M thinsulate insulation and fleece lining, brown. The fronts, back and collar shall be fully insulated with 60-70 grams per square meter Thinsulate insulation or equal.
- * **Thread:** All thread except topstitching shall be minimum size 60/36. Color consistent with basic material.
- * **Zipper:** The zipper shall be a Vislon plastic scoop type, size 5 or equal. The zipper shall be a single pull, single slider with a long pull-tab. The tape shall be a minimum ½" wide.
- * **Labels:** See general references and requirements sheet.

Detail Design Characteristics

- * **Collar:** The stand up collar shall be one piece construction made from shell fabric on the outside and fleece on the inside. The collar shall be 3" wide at the front edge and not less than 2 ¾" wide at center back.

ATTACHMENT C

- I-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $20\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 23" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be 11" from armhole to bottom edge. The half chest shall be 24" wide.
- II-*** **Front:** The front shall have a zipper closure from the top of the collar down to within $\frac{3}{4}$ " of the bottom edge. The front length shall be $17\frac{1}{2}$ " long from collar seam to bottom edge. The front zipper shall be 20" long from top of collar to bottom. Zipper tapes shall be caught between front folded edges of vest shell and lining with the folded edges topstitched $\frac{1}{4}$ " Gauge. The bottom edge shall form a curve gradually tapering up from the center front to the side seams. The side length shall be $9\frac{1}{4}$ " from armhole to bottom edge. The half chest shall be 21" wide.
- I-*** **Back:** The back shall be plain. The center back shall be 24" long from the collar seam to the bottom edge.
- II-*** **Back:** The back shall be plain. The center back shall be $19\frac{1}{4}$ " long from the collar seam to the bottom edge.
- I-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be 2" above the bottom front edge and $4\frac{1}{2}$ " from the side seam. The top of the pocket opening shall be $8\frac{1}{2}$ " above the bottom front edge and $4\frac{5}{8}$ " from the side seam. The opening shall be $6\frac{5}{8}$ " long. The welt shall be $6\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- II-*** **Pockets:** A single welt slash pocket shall be located on each front. The bottom of the pocket opening shall be $1\frac{7}{8}$ " above the bottom front edge and $2\frac{1}{4}$ " from the side seam. The top of the pocket opening shall be 8" above the bottom front edge and $3\frac{3}{4}$ " from the side seam. The opening shall be $5\frac{5}{8}$ " long. The welt shall be $5\frac{5}{8}$ " long and $\frac{5}{8}$ " wide. Welt edges shall be top stitched $\frac{1}{16}$ " gauge. Pocket lining shall be shell fabric and shall be 7" deep at center.
- *-A** **Badge Reinforcement:** Badge and name tabs shall be constructed from the outer shell fabric. The tabs shall finish $\frac{1}{2}$ " wide with $\frac{1}{8}$ " top stitching and the tab ends shall be turned under $\frac{1}{4}$ " and attached to the fronts with bartacks $\frac{1}{16}$ " from the folded edge. The badge tab shall be 2" long with two sewn eyelets centered $\frac{15}{16}$ " apart. The badge tab shall be located on the left front in vertical alignment with the inner edge $3\frac{3}{4}$ " from the left front fly edge and the top edge $6\frac{1}{4}$ " below the front shoulder seam. The name tab shall be 3" long with two sewn eyelets centered $1\frac{7}{8}$ " apart. Badge tab and name tag backtacked.
- I-*** **Armhole:** The shoulder seam shall be 6" long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- II-*** **Armhole:** The shoulder seam shall be $4\frac{1}{2}$ " long. The armhole shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Bottom:** The bottom edge of the shell and lining shall be stitched, turned and topstitched $\frac{1}{4}$ " gauge.
- *** **Hanger Loop:** A $\frac{3}{8}$ " wide black nylon tape hanger loop $1\frac{3}{4}$ " long shall be sewn into the inside collar seam at center back.

ATTACHMENT C

Sizes and Measurements

Finished Dimensions

I-*	Sizes:	Regular: XS-XXXXL
	Long:	S-XXXXL
II-*	Sizes:	Regular: XS-XXL
	Long:	M-XXL

ATTACHMENT C

F606 Cap, Ball, Brown Mesh, Summer

Specifications are identical for the following other components:

C602 Cap, Ball, Green Mesh, Summer
N604 Cap, Ball, Green Mesh, Summer
F252 Cap, Ball, Blue Mesh, Volunteer
C603 Cap, Ball, Green Twill, Winter
N605 Cap, Ball, Green Twill, Winter
F607 Cap, Ball, Brown Twill, Winter
F256 Cap, Ball, Blue Twill, Volunteer

Sample Size: Regular

GENERAL DESCRIPTION

Enclosed baseball style cap with six piece crown contour shape and direct embroidery.

TYPE ITEMS: *--All Caps

CLASSIFICATION		COE Spec #	NPS Spec #
*	All Caps	*	*
A	Mesh, Green	C602	N604
B	Twill, Green	C603	N605
		FWS Spec #	
*	All Caps	*	
C	Mesh, Brown	F606	
D	Twill, Brown	F607	
E	Mesh, Blue	F252	
F	Twill, Blue	F256	

SALIENT CHARACTERISTICS

Components

- A **Basic Material:** The two front crown sections and upper visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- C **Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.

ATTACHMENT C

- E **Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- B **Basic Material:** The six crown sections and visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- D **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- F **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- * **Front Panel:** The front panel shall be constructed of two pieces backed with a fusible monofilament fabric. The panels jointly shall be 8" wide and 6 7/8" high at the center.
- * **Visor:** The visor and visor lining shall be the same Chetopa IV fabric interlined with a visor stiffener and sewn with parallel rows of lock stitching that follow the contour of the visor. The visor shall finish smooth without twists or puckers.
- * **Sweatband:** The black twill sweatband shall finish a minimum of 1" wide. The sweatband shall not pucker, curve, arc, buckle or twist.
- * **Crown:** The crown pieces shall be sewn together, the seam allowance pressed flat, then sewn down the 5/8" tape with stitch type 301 or 401. The crown shall have a sewn in stabilizing strip with a horizontal stitch 3/16" above the visor. A topstitch shall be sewn at the base of the crown on the front two panels.
- * **Closing Seams:** The visor and sweatband shall be sewn to the crown with type 301 stitch and the sweatband shall finish smooth and be flat against inside of cap. A button covered with basic material, size 22 ligne, shall be set into the crown at the junction of the six crown pieces. Each of the six panels shall have one sewn eyelet hole.
- * **Rear Outlet:** The rear outlet cut shall be folded under and taped down.
- A,C,E **Backstrap:** The backstrap shall be either matching green, brown, blue (or black) plastic and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Backstrap:** The backstrap shall be leather with brass buckle and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Direct Embroidery:** The Organizations' logo shall be direct embroidered onto the front panel in the center. The wording and embroidery on the front panel shall be machine embroidered on embroidery machines with automats, and shall not be produced on multhead equipment.

ATTACHMENT C

Thread color names and numbers are the applicable standard sample for shade and are contained in the DOD Standard Color Card of Official Standardized Shades for Heraldic Yarns for Embroidery and Ribbons. The Color Card is obtainable from the Color Card Association of the United States, Inc., 343 Lexington Avenue, New York, New York 10016.

Thread shall be rayon yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

- F **Embroidery Details:** The U.S. FISH & WILDLIFE SERVICE VOLUNTEER logo shall be direct embroidered onto the center front of the cap.

Thread colors and deniers, along with the necessary number of color changes are identified as follows, and shall closely match the following Heraldic yarn color shades:

Description	Cable Name	Cable No.	Poly
Visor Gold FD 008	Goldenlight HC	67107	90/2
Yellow FD B79	N/A	N/A	90/2
Process Blue FD 48	N/A	N/A	90/2
Amberlite FD B65	BuffHAK	67135	90/2
Light Buff FD 125	M.L. Antique White HAL	67139	90/2
Tan FD 118	N/A	N/A	90/2
Imperial Blue FD B4	Corsaire Blue HCB	67177	90/2

Thread shall be polyester yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

Double thread or any thread of different deniers or plys shall not be permitted in any part of the embroidery. Single thread stitching in the deniers and plys above shall be used throughout.

ATTACHMENT C

- * **Thread:** The thread shall be polyester, size 40 or cotton-covered polyester, size 50 color dyed to match basic material except the direct embroidery threads which shall conform to the sample specifications.
- * **Stitches Per Inch:** The stitches per inch shall be 7-9 for all cap operations except 5 stitches per inch on the visor.
- * **Sizes :** Regular and Extra Large

ATTACHMENT C

F607 Cap, Ball, Brown Twill, Winter

Specifications are identical for the following other components:

C602 Cap, Ball, Green Mesh, Summer
N604 Cap, Ball, Green Mesh, Summer
F252 Cap, Ball, Blue Mesh, Volunteer
F606 Cap, Ball, Brown Mesh, Summer
C603 Cap, Ball, Green Twill, Winter
N605 Cap, Ball, Green Twill, Winter
F256 Cap, Ball, Blue Twill, Volunteer

Sample Size: Regular

GENERAL DESCRIPTION

Enclosed baseball style cap with six piece crown contour shape and direct embroidery.

TYPE ITEMS: *--All Caps

CLASSIFICATION		COE Spec #	NPS Spec #
*	All Caps	*	*
A	Mesh, Green	C602	N604
B	Twill, Green	C603	N605
		FWS Spec #	
*	All Caps	*	
C	Mesh, Brown	F606	
D	Twill, Brown	F607	
E	Mesh, Blue	F252	
F	Twill, Blue	F256	

SALIENT CHARACTERISTICS

Components

- A Basic Material:** The two front crown sections and upper visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- C Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.

ATTACHMENT C

- E **Basic Material:** The two front crown sections and upper visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The four side and back crown sections shall be made from 100% nylon mesh to match material of front crown section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40denier fabric.
- B **Basic Material:** The six crown sections and visor sections shall be made from Forest Green Chetopa IV material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- D **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV brown material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- F **Basic Material:** The six crown sections and visor sections shall be made from Chetopa IV blue material. Black is the preferred color of the under visor section. The visor interliner shall be a sheet stock of .080" high-density polyethylene resin code LH901. The tape for the crown seams shall be 100% nylon knitted 40 denier fabric.
- * **Front Panel:** The front panel shall be constructed of two pieces backed with a fusible monofilament fabric. The panels jointly shall be 8" wide and 6 7/8" high at the center.
- * **Visor:** The visor and visor lining shall be the same Chetopa IV fabric interlined with a visor stiffener and sewn with parallel rows of lock stitching that follow the contour of the visor. The visor shall finish smooth without twists or puckers.
- * **Sweatband:** The black twill sweatband shall finish a minimum of 1" wide. The sweatband shall not pucker, curve, arc, buckle or twist.
- * **Crown:** The crown pieces shall be sewn together, the seam allowance pressed flat, then sewn down the 5/8" tape with stitch type 301 or 401. The crown shall have a sewn in stabilizing strip with a horizontal stitch 3/16" above the visor. A topstitch shall be sewn at the base of the crown on the front two panels.
- * **Closing Seams:** The visor and sweatband shall be sewn to the crown with type 301 stitch and the sweatband shall finish smooth and be flat against inside of cap. A button covered with basic material, size 22 ligne, shall be set into the crown at the junction of the six crown pieces. Each of the six panels shall have one sewn eyelet hole.
- * **Rear Outlet:** The rear outlet cut shall be folded under and taped down.
- A,C,E **Backstrap:** The backstrap shall be either matching green, brown, blue (or black) plastic and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Backstrap:** The backstrap shall be leather with brass buckle and shall be sewn into the bottom of the left and right rear panel.
- B,D,F **Direct Embroidery:** The Organizations' logo shall be direct embroidered onto the front panel in the center. The wording and embroidery on the front panel shall be machine embroidered on embroidery machines with automats, and shall not be produced on multhead equipment.

ATTACHMENT C

Thread color names and numbers are the applicable standard sample for shade and are contained in the DOD Standard Color Card of Official Standardized Shades for Heraldic Yarns for Embroidery and Ribbons. The Color Card is obtainable from the Color Card Association of the United States, Inc., 343 Lexington Avenue, New York, New York 10016.

Thread shall be rayon yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

- F **Embroidery Details:** The U.S. FISH & WILDLIFE SERVICE VOLUNTEER logo shall be direct embroidered onto the center front of the cap.

Thread colors and deniers, along with the necessary number of color changes are identified as follows, and shall closely match the following Heraldic yarn color shades:

Description	Cable Name	Cable No.	Poly
Visor Gold FD 008	Goldenlight HC	67107	90/2
Yellow FD B79	N/A	N/A	90/2
Process Blue FD 48	N/A	N/A	90/2
Amberlite FD B65	BuffHAK	67135	90/2
Light Buff FD 125	M.L. Antique White HAL	67139	90/2
Tan FD 118	N/A	N/A	90/2
Imperial Blue FD B4	Corsaire Blue HCB	67177	90/2

Thread shall be polyester yarn, finest quality, and colorfast, in the deniers specified.

Stitch scale shall be of sufficient density as to preclude the “bleeding” (or see through) of the background material, and uneven matting (register) of color elements. There shall be sufficient underlay stitching to give a full three-dimensional, high relief appearance to the embroidery. No stitch may be greater than ten millimeters in length.

Double thread or any thread of different deniers or plys shall not be permitted in any part of the embroidery. Single thread stitching in the deniers and plys above shall be used throughout.

- * **Thread:** The thread shall be polyester, size 40 or cotton-covered polyester, size 50 color dyed to match basic material except the direct embroidery threads which shall conform to the sample specifications.
- * **Stitches Per Inch:** The stitches per inch shall be 7-9 for all cap operations except 5 stitches per inch on the visor.
- * **Sizes :** Regular and Extra Large

ATTACHMENT C

F608 Lucite Pocket Insert with Name Plate

Sample Size: N/A

GENERAL DESCRIPTION

Lucite pocket insert with name plate

TYPE ITEMS AND CLASSIFICATION: * All

SALIENT CHARACTERISTICS

Components

Type-Class

- * **Lucite Insert:** Over the pocket backing fabricated from high grade 0.090 clear acrylic. The finished size measuring 2.75 inches wide and 4 inches tall on the front and 2.75 inches wide and 3.50 inches tall in the back after being heat bent to 180 degrees. The edges are unfinished with a 1/8" radius on all four corners. The back bottom is heat bent 1 inch up and about 1 degree.
- * **Brass Name Plate:** The name plate is 0.050 thick, 2.75 inches by .75 inch alloy 353 leaded engravers brass. One side satin, clear bake enamel with one-quarter hard temper. The name plate content by weight is: lead 3.8% maximum; zinc 32-45%; copper 55-68%; and nickel .7% maximum. Plates have a 1/8" radius rounding on all four corners. The plate is attached at the bottom front portion of the clear acrylic pocket slide, .25 inch from the bottom. Individual employee's name and "U.S. Fish and Wildlife Service" shall be high-speed rotary engraved and black enamel filled on all lettering.
- * **Logo Medallion:** The logo medallion is die struck from 0.062 brass material in a shield design 1.625 inches tall by 1.3125 inches wide. The medallion is gold electroplated and six-color soft enamel color filled. Coloring is as follows: background behind lettering PMS #468; the moon is PMS #101; body of fish and body of duck is PMS #2747; ring of duck's neck, reflection of water and splash of fish is PMS #601; sky if PMS #136; mountains are PMS #465; and the water is PMS #279.

Colors are applied to medallion one color at a time, via syringe into the appropriate area. The medallion is baked after each application to solidify color. This process is repeated for each color. After all colors are added, the medallion is polished to brighten the plating and remove excess enamel color. The medallion is applied with adhesive over the pocket acrylic background .5 inches from the top centered left to right on the front. Each finished unit is then individually polybagged for shipment.

ATTACHMENT C

F609 Shirt, Male, 100% Cotton LS

Specifications are identical for the following other components:

F610 Shirt, Male, 100% Cotton, SS
F611 Shirt, Female, 100% Cotton, LS
F612 Shirt, Female, 100% Cotton, SS

Sample Size: Male 16 x 34; Female - 36

GENERAL DESCRIPTION

The garment is a work shirt with banded button-down collar, mitered left chest pocket and embroidered nameplate eyelets with reinforcement.

TYPE ITEMS : *--All Shirts Type I - Male Type II - Female

CLASSIFICATION FWS #(M/F)

* All Shirts *

A LS F609/F611
B SS F610/F612

SALIENT CHARACTERISTICS

Components

Type-Class

* **Basic Material:** The material shall be 100% cotton. The interlinings shall be 100% polyester.

I,II,

A, B **Buttons:** 20 ligne, horn button on center front, collar band, pocket and cuffs; 14 ligne at collar points.

General Instructions

I, II

A, B **Creasing:** Collar band shall be die creased to give uniform shape and size.

I, II,

A, B **Front:** Left front shall have a self-fabric center pleat 1 3/8 inches wide extending from collar band to bottom of shirt. It shall have 2 rows of stitching 7/8 inches apart. The center pleat shall be lined with 100% polyester. A self-lined button stand 3/4 inches wide shall be placed on the right side and extend from collar band to bottom of shirt. There shall be six front and one collar band button.

I, II,

A, B **Collar:** The collar shall be die cut and banded. The back of the stand shall measure 1 1/2 inches. The points shall be 3 1/8 inches in length and top stitches 1/4 inch from the edge. The interlinings shall be 100% polyester, 250 denier. The inside collar band fabric shall be self-fabric lined with crease interlining. Each collar point is buttoned down to the shirt fronts with a 14 ligne button. The stand shall fasten with one 20 ligne button.

ATTACHMENT C

I, II,
A, B **Yoke:** Two piece yoke lined on the inside with self-goods. Front and back of yoke shall be topstitched 1 1/6 inch.

I, II,
A **Sleeves:** Each sleeve shall have one piece continuous pointed placket; 1 inch wide both top and bottom. Sleeve setting and closing shall be done with a safety stitch and sleeve setting and shall have 3/16 inch single-needle topstitching. Interlined cuffs close with 2 buttons and 1 buttonhole are 2 ½ inch wide and have ¼ inch topstitching on the edge. The left sleeve shall also have one U.S. Fish and Wildlife Service emblem placed 2 inches down from the finished shoulder seam.

I, II,
B **Sleeves:** Sleeves are one piece and have a 7/8 inch hem. Sleeve setting and closing shall be done with a safety stitch and sleeve setting will have a 3/16 inch row of single-needle topstitching. The left sleeve shall have one U.S. Fish and Wildlife Service emblem placed 2 inches down from the finished shoulder seam.

I, II,
A, B **Pocket:** One mitered left breast pocket finishes 5 ½ inches wide and 5 2/1 inches deep at center, 4 ½ inches at sides. The pocket shall have a 1 ¼” hem at top with a 20-ligne button closure, a mitered bottom and double-needle topstitching with 3/16 inch gauge.

I, II,
A, B **Nameplate:** Round sewn eyelets are spaced 1 7/8 inches apart center to center with an inside reinforcement strip approximately 3/4 inches wide and 3 inches long on the right chest. The eyelets are placed equal to 1/2 inch above the pocket on the opposite chest.

**I, II,
A, B** **Patch:** The official U.S. Fish and Wildlife Service patch shall be attached to the center of the left sleeve with the top edge 1 ½ inch. The patch shall be sewn with matching thread and attached so that the edges do not roll up after washing.

Sizes and Measurements

I-A,B Sizes: Combined neck sizes 14/14 - ½ -- 19/19 - ½
 Combined sleeve sizes: 30/31 -- 38/39

II, A,B Sizes: 28-48 Regular
 Sleeve regular length

ATTACHMENT C

F610 Shirt, Male, 100% Cotton, SS

Specifications are identical for the following other components:

F609 Shirt, Male, 100% Cotton LS

F611 Shirt, Female, 100% Cotton, LS

F612 Shirt, Female, 100% Cotton, SS

Sample Size: Male 16 x 34; Female - 36

GENERAL DESCRIPTION

The garment is a work shirt with banded button-down collar, mitered left chest pocket and embroidered nameplate eyelets with reinforcement.

TYPE ITEMS : *--All Shirts Type I - Male Type II - Female

CLASSIFICATION FWS #(M/F)

* All Shirts *

A LS F609/F611

B SS F610/F612

SALIENT CHARACTERISTICS

Components

Type-Class

* **Basic Material:** The material shall be 100% cotton. The interlinings shall be 100% polyester.

I,II,

A, B **Buttons:** 20 ligne, horn button on center front, collar band, pocket and cuffs; 14 ligne at collar points.

General Instructions

I, II

A, B **Creasing:** Collar band shall be die creased to give uniform shape and size.

I, II,

A, B **Front:** Left front shall have a self-fabric center pleat 1 3/8 inches wide extending from collar band to bottom of shirt. It shall have 2 rows of stitching 7/8 inches apart. The center pleat shall be lined with 100% polyester. A self-lined button stand 3/4 inches wide shall be placed on the right side and extend from collar band to bottom of shirt. There shall be six front and one collar band button.

I, II,

A, B **Collar:** The collar shall be die cut and banded. The back of the stand shall measure 1 1/2 inches. The points shall be 3 1/8 inches in length and top stitches 1/4 inch from the edge. The interlinings shall be 100% polyester, 250 denier. The inside collar band fabric shall be self-fabric lined with crease interlining. Each collar point is buttoned down to the shirt fronts with a 14 ligne button. The stand shall fasten with one 20 ligne button.

ATTACHMENT C

I, II,
A, B **Yoke:** Two piece yoke lined on the inside with self-goods. Front and back of yoke shall be topstitched 1 1/6 inch.

I, II,
A **Sleeves:** Each sleeve shall have one piece continuous pointed placket; 1 inch wide both top and bottom. Sleeve setting and closing shall be done with a safety stitch and sleeve setting and shall have 3/16 inch single-needle topstitching. Interlined cuffs close with 2 buttons and 1 buttonhole are 2 1/2 inch wide and have 1/4 inch topstitching on the edge. The left sleeve shall also have one U.S. Fish and Wildlife Service emblem placed 2 inches down from the finished shoulder seam.

I, II,
B **Sleeves:** Sleeves are one piece and have a 7/8 inch hem. Sleeve setting and closing shall be done with a safety stitch and sleeve setting will have a 3/16 inch row of single-needle topstitching. The left sleeve shall have one U.S. Fish and Wildlife Service emblem placed 2 inches down from the finished shoulder seam.

I, II,
A, B **Pocket:** One mitered left breast pocket finishes 5 1/2 inches wide and 5 2/1 inches deep at center, 4 1/2 inches at sides. The pocket shall have a 1 1/4" hem at top with a 20-line button closure, a mitered bottom and double-needle topstitching with 3/16 inch guage.

I, II,
A, B **Nameplate:** Round sewn eyelets are spaced 1 7/8 inches apart center to center with an inside reinforcement strip approximately 3/4 inches wide and 3 inches long on the right chest. The eyelets are placed equal to 1/2 inch above the pocket on the opposite chest.

I, II,
A, B **Patch:** The official U.S. Fish and Wildlife Service patch shall be attached to the center of the left sleeve with the top edge 1 1/2 inch. The patch shall be sewn with matching thread and attached so that the edges do not roll up after washing.

Sizes and Measurements

I-A,B Sizes: Combined neck sizes 14/14 - 1/2 -- 19/19 - 1/2
 Combined sleeve sizes: 30/31 -- 38/39

II, A,B Sizes: 28-48 Regular
 Sleeve regular length

ATTACHMENT C

F611 Shirt, Female, 100% Cotton, LS

Specifications are identical for the following other components:

F609 Shirt, Male, 100% Cotton LS

F610 Shirt, Male, 100% Cotton, SS

F612 Shirt, Female, 100% Cotton, SS

Sample Size: Male 16 x 34; Female - 36

GENERAL DESCRIPTION

The garment is a work shirt with banded button-down collar, mitered left chest pocket and embroidered nameplate eyelets with reinforcement.

TYPE ITEMS : *--All Shirts Type I - Male Type II - Female

CLASSIFICATION FWS #(M/F)

* All Shirts *

A LS F609/F611

B SS F610/F612

SALIENT CHARACTERISTICS

Components

Type-Class

* **Basic Material:** The material shall be 100% cotton. The interlinings shall be 100% polyester.

I,II,

A, B **Buttons:** 20 ligne, horn button on center front, collar band, pocket and cuffs; 14 ligne at collar points.

General Instructions

I, II

A, B **Creasing:** Collar band shall be die creased to give uniform shape and size.

I, II,

A, B **Front:** Left front shall have a self-fabric center pleat 1 3/8 inches wide extending from collar band to bottom of shirt. It shall have 2 rows of stitching 7/8 inches apart. The center pleat shall be lined with 100% polyester. A self-lined button stand 3/4 inches wide shall be placed on the right side and extend from collar band to bottom of shirt. There shall be six front and one collar band button.

I, II,

A, B **Collar:** The collar shall be die cut and banded. The back of the stand shall measure 1 1/2 inches. The points shall be 3 1/8 inches in length and top stitches 1/4 inch from the edge. The interlinings shall be 100% polyester, 250 denier. The inside collar band fabric shall be self-fabric lined with crease interlining. Each collar point is buttoned down to the shirt fronts with a 14 ligne button. The stand shall fasten with one 20 ligne button.

ATTACHMENT C

I, II,
A, B **Yoke:** Two piece yoke lined on the inside with self-goods. Front and back of yoke shall be topstitched 1 1/6 inch.

I, II,
A **Sleeves:** Each sleeve shall have one piece continuous pointed placket; 1 inch wide both top and bottom. Sleeve setting and closing shall be done with a safety stitch and sleeve setting and shall have 3/16 inch single-needle topstitching. Interlined cuffs close with 2 buttons and 1 buttonhole are 2 1/2 inch wide and have 1/4 inch topstitching on the edge. The left sleeve shall also have one U.S. Fish and Wildlife Service emblem placed 2 inches down from the finished shoulder seam.

I, II,
B **Sleeves:** Sleeves are one piece and have a 7/8 inch hem. Sleeve setting and closing shall be done with a safety stitch and sleeve setting will have a 3/16 inch row of single-needle topstitching. The left sleeve shall have one U.S. Fish and Wildlife Service emblem placed 2 inches down from the finished shoulder seam.

I, II,
A, B **Pocket:** One mitered left breast pocket finishes 5 1/2 inches wide and 5 2/1 inches deep at center, 4 1/2 inches at sides. The pocket shall have a 1 1/4" hem at top with a 20-line button closure, a mitered bottom and double-needle topstitching with 3/16 inch guage.

I, II,
A, B **Nameplate:** Round sewn eyelets are spaced 1 7/8 inches apart center to center with an inside reinforcement strip approximately 3/4 inches wide and 3 inches long on the right chest. The eyelets are placed equal to 1/2 inch above the pocket on the opposite chest.

I, II,
A, B **Patch:** The official U.S. Fish and Wildlife Service patch shall be attached to the center of the left sleeve with the top edge 1 1/2 inch. The patch shall be sewn with matching thread and attached so that the edges do not roll up after washing.

Sizes and Measurements

I-A,B Sizes: Combined neck sizes 14/14 - 1/2 -- 19/19 - 1/2
 Combined sleeve sizes: 30/31 -- 38/39

II, A,B Sizes: 28-48 Regular
 Sleeve regular length

ATTACHMENT C

F612 Shirt, Female, 100% Cotton, SS

Specifications are identical for the following other components:

F609 Shirt, Male, 100% Cotton LS

F610 Shirt, Male, 100% Cotton, SS

F611 Shirt, Female, 100% Cotton, LS

Sample Size: Male 16 x 34; Female - 36

GENERAL DESCRIPTION

The garment is a work shirt with banded button-down collar, mitered left chest pocket and embroidered nameplate eyelets with reinforcement.

TYPE ITEMS : *--All Shirts Type I - Male Type II - Female

CLASSIFICATION FWS #(M/F)

* All Shirts *

A LS F609/F611

B SS F610/F612

SALIENT CHARACTERISTICS

Components

Type-Class

* **Basic Material:** The material shall be 100% cotton. The interlinings shall be 100% polyester.

I,II,

A, B **Buttons:** 20 ligne, horn button on center front, collar band, pocket and cuffs; 14 ligne at collar points.

General Instructions

I, II

A, B **Creasing:** Collar band shall be die creased to give uniform shape and size.

I, II,

A, B **Front:** Left front shall have a self-fabric center pleat 1 3/8 inches wide extending from collar band to bottom of shirt. It shall have 2 rows of stitching 7/8 inches apart. The center pleat shall be lined with 100% polyester. A self-lined button stand 3/4 inches wide shall be placed on the right side and extend from collar band to bottom of shirt. There shall be six front and one collar band button.

I, II,

A, B **Collar:** The collar shall be die cut and banded. The back of the stand shall measure 1 1/2 inches. The points shall be 3 1/8 inches in length and top stitches 1/4 inch from the edge. The interlinings shall be 100% polyester, 250 denier. The inside collar band fabric shall be self-fabric lined with crease interlining. Each collar point is buttoned down to the shirt fronts with a 14 ligne button. The stand shall fasten with one 20 ligne button.

ATTACHMENT C

I, II,
A, B **Yoke:** Two piece yoke lined on the inside with self-goods. Front and back of yoke shall be topstitched 1 1/6 inch.

I, II,
A **Sleeves:** Each sleeve shall have one piece continuous pointed placket; 1 inch wide both top and bottom. Sleeve setting and closing shall be done with a safety stitch and sleeve setting and shall have 3/16 inch single-needle topstitching. Interlined cuffs close with 2 buttons and 1 buttonhole are 2 1/2 inch wide and have 1/4 inch topstitching on the edge. The left sleeve shall also have one U.S. Fish and Wildlife Service emblem placed 2 inches down from the finished shoulder seam.

I, II,
B **Sleeves:** Sleeves are one piece and have a 7/8 inch hem. Sleeve setting and closing shall be done with a safety stitch and sleeve setting will have a 3/16 inch row of single-needle topstitching. The left sleeve shall have one U.S. Fish and Wildlife Service emblem placed 2 inches down from the finished shoulder seam.

I, II,
A, B **Pocket:** One mitered left breast pocket finishes 5 1/2 inches wide and 5 2/1 inches deep at center, 4 1/2 inches at sides. The pocket shall have a 1 1/4" hem at top with a 20-ligne button closure, a mitered bottom and double-needle topstitching with 3/16 inch guage.

I, II,
A, B **Nameplate:** Round sewn eyelets are spaced 1 7/8 inches apart center to center with an inside reinforcement strip approximately 3/4 inches wide and 3 inches long on the right chest. The eyelets are placed equal to 1/2 inch above the pocket on the opposite chest.

I, II,
A, B **Patch:** The official U.S. Fish and Wildlife Service patch shall be attached to the center of the left sleeve with the top edge 1 1/2 inch. The patch shall be sewn with matching thread and attached so that the edges do not roll up after washing.

Sizes and Measurements

I-A,B Sizes: Combined neck sizes 14/14 - 1/2 -- 19/19 - 1/2
 Combined sleeve sizes: 30/31 -- 38/39

II, A,B Sizes: 28-48 Regular
 Sleeve regular length